

STATE OF UTAH

(Other instructions on reverse side)

DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS, AND MINING

CONFIDENTIAL

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL ☒DEEPEN ☐PLUG BACK ☐

5. Lease Designation and Serial No.

U-57469

6. If Indian, Allottee or Tribe Name

N/A

7. Unit Agreement Name

N/A

8. Farm or Lease Name

Deadman Canyon Federal

9. Well No.

#3-20

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 20, T37S - R24E

12. County or Parrish 13. State

San Juan

Utah

b. Type of Well

Oil Well ☒Gas Well ☐

Other

Single Zone ☒Multiple Zone ☐

2. Name of Operator

Quintana Petroleum Corp. c/o PERMITCO INC. 303/322-7878

3. Address of Operator

P.O. Box 44065 Denver, CO 80201-4065

4. Location of Well (Report location clearly and in accordance with any)

At surface

2380' FNL and 2180' FWL

At proposed prod. zone SE NW

14. Distance in miles and direction from nearest town or post office*

22 miles southeast of Blanding, Utah

15. Distance from proposed*

location to nearest property or lease line, ft. (Also to nearest drig. line, if any)

2180'

16. No. of acres in lease

17. No. of acres assigned to this well

40

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

1284'

19. Proposed depth

6180'

20. Rotary or cable tools

Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

5652' GR

22. Approx. date work will start*

Immediately upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	2000'	760 sx or suffic to circ to surf.
8-3/4"	5-1/2"	15.5 & 17#	6180'	350 sx or suffic. to cover zones of interest.

Quintana Petroleum Corp. proposes to drill a well to 6180' to test the Ismay and Desert Creek formations. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Order No. 1 attached.

We realize this is an unorthodox location in accordance with the spacing rules for the State of Utah, however, we have been designated as operator for the entire lease which includes all of Section 20, T37S - R24E and have drilling rights within a 460' radius of the proposed wellbore.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed

Laura G. Green

Title

Consultant for
Quintana Petroleum Corp.

Date

12/30/86

(This space for Federal or State office use)

Permit No.

43-037-31304

Approval Date

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

Approved by

Title

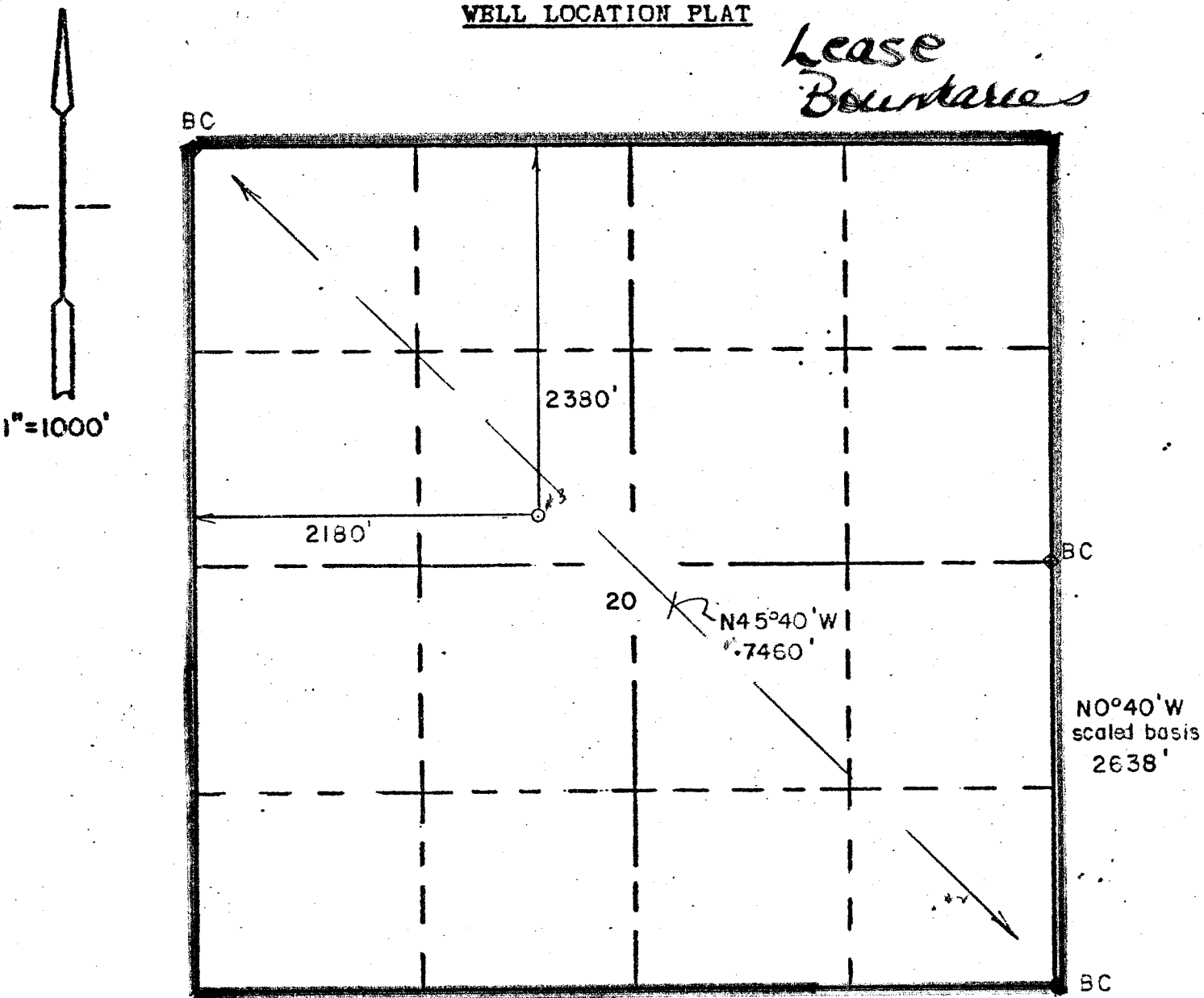
Conditions of approval, if any:

DATE: 1-9-87

BY: *John R. Bap*

*See Instructions On Reverse Side

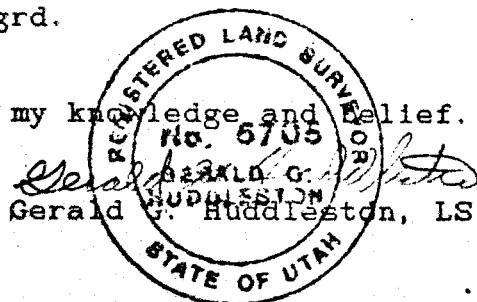
WELL SPACING: 3021

WELL LOCATION PLAT*Lease
Boundaries*WELL LOCATION DESCRIPTION:

Quintana Petroleum
 Deadman Canyon # 3-20
 2380' FNL & 2180' FWL
 Section 20, T.37 S., R.24 E., SLM
 San Juan County, Utah
 5652' grd. elevation
 Reference: N 60° 20' E, 5667' grd.

The above plat is true and correct to my knowledge and belief.

12-28-'86



ONSHORE OIL & GAS ORDER NO. 1

Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

QUINTANA PETROLEUM CORP.
Deadman Canyon Federal #3-20
2380' FNL and 2180' FWL
Section 20, T37S - R24E
San Juan County, Utah

Prepared For:

QUINTANA PETROLEUM CORP.

By:

PERMITCO INC.
P.O. Box 44065
Denver, Colorado 80201-4065

Copies Sent To:

- 4 - BLM - Moab, Utah
- 1 - BLM - Monticello, Utah
- 1 - Div. of Oil, Gas & Mining - SLC, Utah
- 4 - Quintana Petroleum Corp. - Denver, CO



Permitco Incorporated
A Petroleum Permitting Company

ONSHORE ORDER NO. 1
Quintana Petroleum Corp.
Deadman Canyon Federal 3-20
2380' FNL and 2180' FWL
Sec. 20, T37S - R24E
San Juan County, Utah

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. The surface formation and estimated formation tops to be encountered are as follows:

<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Morrison	Surface	
Navajo	1010'	+4604'
Wingate	1583'	+4031'
Chinle	1853'	+3761'
Shinarump	2548'	+3066'
Hermosa	4692'	+ 922'
Ismay	5754'	- 140'
Hovenweep Shale	5959'	- 345'
Lower Ismay	5995'	- 381'
Gothic Shale	6039'	- 425'
Desert Creek	6064'	- 450'
Akah	6159'	- 545'
Salt	6177'	- 563'
T.D.	6180'	- 566'

2. The estimated depths at which oil, gas, water or other mineral bearing zones are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Anticipated Depth</u>
Oil/Gas	Ismay	5754'
Oil/Gas	Desert Creek	6064'

All fresh water and prospectively valuable minerals encountered during drilling, will be recorded by depth cased and cemented. All oil and gas shows will be tested to determine commercial potential.



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3. Pressure control equipment will consist of a 10", 3000# BOP. (See BOP Diagram attached.)

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. The San Juan Resource Area will be notified 1 day before pressure testing.

4. a. Casing

The proposed casing program is as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Wt.</u>	<u>Grade</u>	<u>Type</u>	<u>New or Used</u>
Conductor	0-40'	17-1/2"	16#	—			
Surface	0-2000'	12-1/4"	9-5/8"	36#	K-55	ST&C	New
Produc.	0-5400'	8-3/4"	5-1/2"	15.5#	K-55	LT&C	New
Produc.	5400-TD	8-3/4"	5-1/2"	17.0#	K-55	LT&C	New

- b. Cement

The cementing program will be as follows:

Surface

Type and Amount

0-2000'

560 sx Lite w/2% CaCl₂ and 1/4#
Cellophane flake, followed by 200 sx
Class B w/2% CaCl₂ or sufficient to
circulate to surface.

Production

Type and Amount

350 sx Class H w/6% fluid loss additive
or sufficient to cover zones of
interest.

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Anticipated cement tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area will be notified one day prior to running casing strings and cement.

c. Auxiliary Equipment will be as follows:

1. Kelly cock.
2. Float above the bit.
3. A sub with a full opening valve will be on the floor when the kelly is not in use.
4. Monitoring of the system will be done visually.

5. Drilling fluid will be as follows:

<u>Interval</u>	<u>Mud Type</u>	<u>Mud Wt.</u>	<u>Visc.</u>	<u>F/L</u>	<u>PH</u>
0-2000'	Gel/Lime	8.4-8.6	28-35	N/C	-
2000-5000'	Gel/Lime	8.4-8.6	28-35	N/C	-
5000-T.D.	Dispersed	9.0-11.0	35-50	8-10cc	11.5

6. Coring, logging and testing programs are as follows:

- a. A core is anticipated in the Ismay mound section from 5814 - 6019'.
- b. The logging program will consist of the following: A dual Induction of Dual Laterolog and BHC Sonic will be run from surface casing to T.D. A CNL Density will be run from 5800' to T.D. and a Dipmeter will be run from 5700' to T.D. (minimum run).
- c. Drill Stem Tests will be run in the Ismay at 5814' and possibly the Desert Creek at 6124' if shows warrant.

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- Whether the well is completed as a dry hole or as a producer, "Well Completion or Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids, and/or gases) will be submitted when requested by the District Manager.
7. Abnormal conditions, bottom hole pressures and potential hazards.
- a. The maximum bottom hole pressure to be expected is 3400 psi.
 - b. Quintana Petroleum Corp. plans to spud the Deadman Canyon Federal #3-20 immediately upon approval of this application and intends to complete the well within approximately one month after the well has reached T.D.
 - c. The operator will contact the San Juan Resource Area at 801/587-2141, 48 hours prior to beginning any dirt work on this location.
 - d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.
 - e. The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours of spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

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DRILLING PROGRAM

- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the Moab BLM District Office, P. O. Box 970, Moab, Utah 84532.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.
- h. If a replacement rig is planned for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.
- i. If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five business days following the date on which the well is placed on production.
- j. No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager, within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.
- k. Final abandonment will not be approved until surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager or his representative, or the appropriate surface Manager.

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DRILLING PROGRAM

1. Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.
- m. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.
- n. A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.
- o. The following may be inspected and/or witnessed:
 1. The cementing and testing of surface casing, testing BOP's.
 2. (Dry Hole) Setting and testing of surface casing shoe plug.
 3. (Depleted Producer) The setting and testing of plugs across producing horizon and if applicable the surface casing shoe plug and/or annulus (casing to formation) squeeze jobs.
- p. Notify the San Juan Resource area (Mike Wade) one day or (on a dry hole) as soon as possible prior to the above at (801) 587-2141 (W) or (801) 587-2026 (H). If unable to reach Mike, call Moab District Office - Greg Noble at (801) 259-6111 (W) or (801) 259-8811 (H).

The diagram illustrates a wellhead assembly with the following components and connections:

- Top Section:** Two vertical pipes labeled "Pits" on the left and "Flare" on the right. A horizontal pipe connects them, featuring a "2"-2000 PSI Ball Valve" in the center and "2"-2000 PSI WP Ball Valve" on either side.
- Central Section:** A vertical pipe labeled "Flare" at the top. It has a "Bleed/Panic Line (4")" connected to its side. Below this, there are "2-3" 3000 PSI WP Plug Valves".
- Bottom Section:** A horizontal pipe labeled "From Choke Line" at the bottom. It features "2-3"-3000 PSI WP Plug Valves" on both ends. On the right side, there is a "3"-3000 PSI WP Plug Valve w/Gauge" and an "Adjustable Manual Positive Choke".

2"

Drilling Nipple

Flowline

Fill-Up Line

Positive Choke

Pipe Rams
(Double Ram
Hydraulic BOP-
3000 PSI WP)

Blind Rams

2"-3000 PSI WP
Check Valve

2"-3000 PSI WP
Valve

Kill Line

Bull Plug

D.S.A.

3"-3000 PSI WP Valve

3"-2000 PSI WP Valve

Choke Line

Casing Head

2"-3000 PSI WP Valve

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SURFACE USE PLAN

ONSHORE OIL & GAS ORDER NO. 1

Thirteen Point Surface Use Plan

1. Existing Roads

- a. The proposed well site is located 11 miles east of Blanding, Utah.
- b. Directions to the location from Blanding are as follows:

Go south on Highway 47 for 1.5 miles. Turn east onto the County Road and proceed 1.3 miles. Turn south on the County Road (Perkins #206) and proceed southwesterly for approximately 15 miles. Turn north onto County Road (Alkali #204) and proceed 2.7 miles. Turn right (east) onto the graded road leading to the Deadman Canyon #1-20 and proceed 3/4 mile. Turn left and proceed north and east 1.0 miles. Before reaching the 1-20 wellpad, turn left and proceed on an existing seismic trail (flagged) approximately 2000' to the location.
- c. The roads in the area are primarily county roads. See Maps #1 and #2.
- d. Improvement to the existing access will not be necessary.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. An encroachment permit will be obtained from the San Juan County Road Department, 801/587-2231, ext. 43.

2. Planned Access Roads

- a. The last 2000 feet will be new access. The road will be flat bladed initially during construction and upgraded if production is established.

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2. Planned Access Roads (cont.)

- b. The maximum total disturbed width will be 30 feet.
- c. The grade will be 10% or less.
- d. Turnouts will be installed as needed. One 18" x 40' culvert will be installed just southeast of the wellpad and will be covered with approximately four feet of fill material.
- e. Each fence which is crossed by the road will be braced as shown in Enclosure number 1, and tied off before cutting to prevent slackening of the wire. A gate or cattleguard which must be approved by BLM, will be installed.
- f. If road construction cuts through natural topography which serves as a livestock barrier, a fence shall be constructed as shown in Enclosure 1.
- g. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.
- h. The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drilling rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.
- i. The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

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3. Location of Existing Wells Within a 1-Mile Radius of the Proposed Location. (See Map #3).
 - a. Water Wells - none
 - b. Injection or disposal wells - none
 - c. Producing Wells - one (#1-20 waiting on completion)
 - d. Drilling Wells - none

4. Location of Tank Batteries and Production Facilities.
 - a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be neutral to match the trees.
 - b. If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.
 - c. A central tank battery will be constructed at the Deadman Canyon Federal #1-20 location. If the Deadman Canyon Federal #3-20 is productive, a diagram will be submitted showing proposed facility layout.
 - d. All loading lines will be placed inside the berm surrounding the tank battery.
 - e. Any necessary pits will be properly fenced to prevent any wildlife entry. The production pit will be flagged overhead.

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4. Production Facilities (cont.)

- f. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.
- g. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- h. Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.
- i. The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Moab District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. Location and Type of Water Supply

- a. All water needed for drilling purposes will be obtained from a private source.
- b. Water will be trucked to location over the county roads in the area.
- c. No water well is to be drilled on this lease.

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5. Water Supply (cont.)

- d. Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer, 801/637-1303, and by receiving permission from the land owner of surface management agency to use the land containing the water source.

6. Source of Construction Material

- a. Road surfacing material will be obtained from a commercial source. Pad construction material will be native.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Construction material will be located on lease.

7. Methods for Handling Waste Disposal

- a. The reserve pit will be lined with native clay sufficient to prevent seepage. At least half of the capacity will be in cut.
- b. Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.
- c. A trash pit will be constructed near the mud tanks and dug at least six feet into solid, undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free. If a trash cage is used, its contents will be hauled to an approved landfill.
- d. A burning permit is required for burning trash between May 1 and October 31. This will be obtained from the San Juan County Sheriff at (801) 587-2237 if operations should extend past May 1st.
- e. Produced waste water will be confined to a unlined pit for a period not to exceed 90 days after initial production. During the 90-day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

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8. Ancillary Facilities

- a. There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. Well Site Layout

- a. See Diagram #1 for rig layout. See Diagram #2 for cross section of drill pad. See Diagram #3 for cuts and fills.
- b. The location of mud tanks; reserve, burn and trash pits; pipe racks; living facilities and soil stockpiles will be shown on Diagram #1 and #3. The location will be laid out and constructed as discussed during the predrill conference.
- c. The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees anywhere space is available in the near proximity of the location. Topsoil along the access will be reserved in place.
- d. Access to the well pad will be from the southwest.

10. Reclamation

- a. Immediately upon completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801/587-2141) 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

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10. Reclamation of Surface (cont.)

- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 Feet
2-4%	Every 100 Feet
4-5%	Every 75 Feet
5+%	Every 50 Feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.
 - 4 lbs/acre Galleta (*Hilaria jamesii*)
 - 6 lbs/acre Western wheatgrass (*Agropyron smithii*)
 - 2 lbs/acre Desert bitterbrush (*Purshia glandulosa*)
- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production and production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

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SURFACE USE PLAN

11. a. Surface Ownership

Federal

b. Mineral Ownership

Federal

12. Other Information

- a. There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.
- b. "Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.
- c. The dirt contractor will be provided with an approved copy of the surface use plan.
- d. If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator that they are subject to prosecution for disturbing archeological sites or picking up artifacts. Salvage or excavation of identified archeological sites will be done by a BLM approved archeologist only if damage occurs.
- e. This permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.
- f. An archeological study was conducted by LaPlata Archaeological Consultants. No significant cultural resources were found that cannot be avoided and clearance is recommended. A copy of this report will be submitted directly by LaPlata Archeological Consultants.

ONSHORE ORDER NO.
Quintana Petroleum Corp.
Deadman Canyon Federal 3-20
2380' FNL and 2180' FWL
Sec. 20, T37S - R24E
San Juan County, Utah

SURFACE USE PLAN

12. Other Information (cont.)

- g. Your contact with the District Office is: Greg Nobel,
801/259-6111, P.O. Box 970, Moab, Utah 84532.

The Resource Area Manager's address is P.O. Box 7, Monticello,
Utah 84532. Your contact is Richard McClure, 801/587-2141.

13. Lessee's or Operator's Representative and Certification

Permit Matters

Permitco Inc.
Lisa L. Green
P.O. Box 44065
Denver, CO 80201-4065
303/322-7878


Drilling & Completion Matters

Quintana Petroleum Corp.
1050-17th St.
Suite 400
Denver, CO 80265
303/628-9211 (W) -
303/969-9468 (H) - Scott Kimbrough

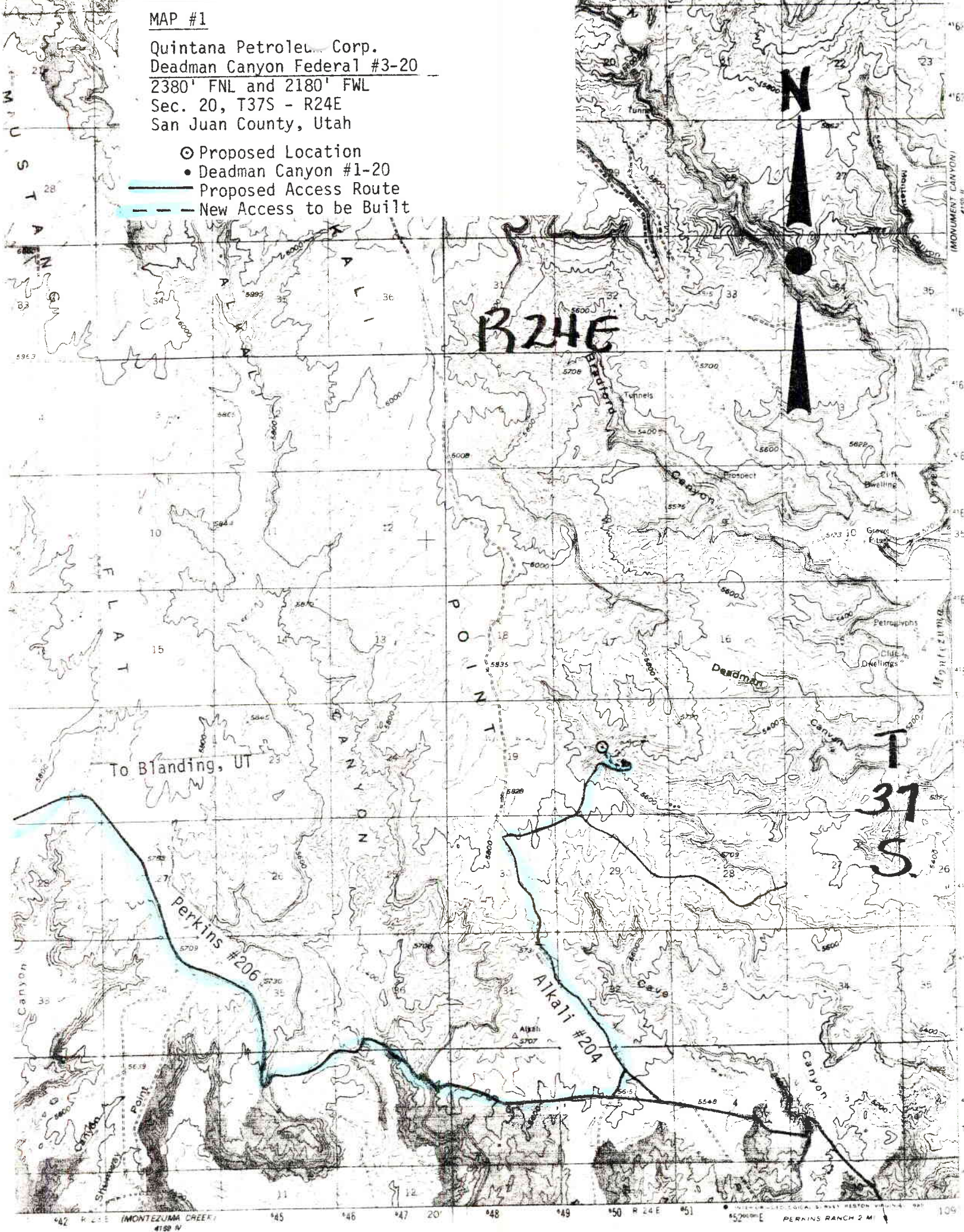
Certification

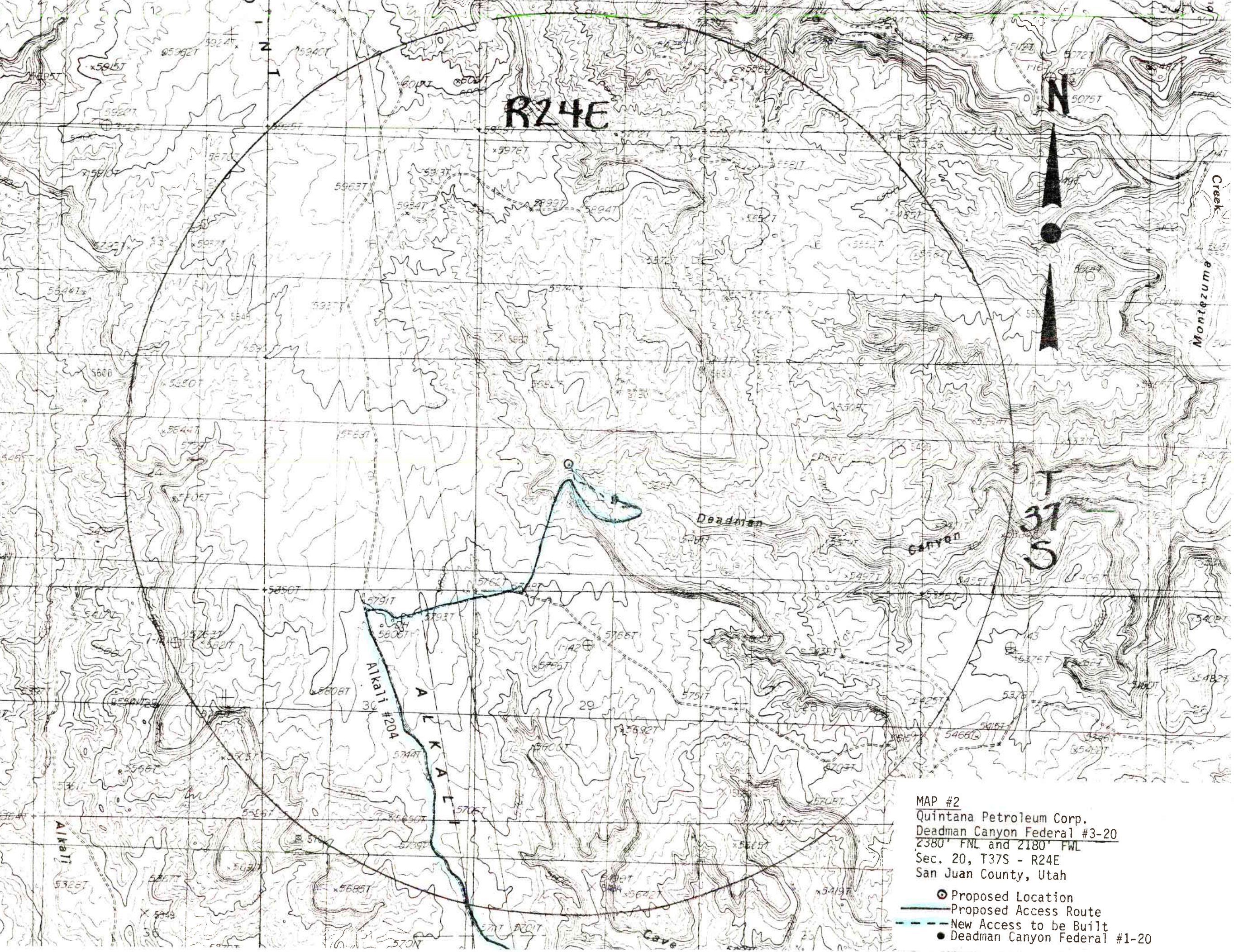
I hereby certify that I, or persons under my direct supervision,
have inspected the proposed drillsite and access route; that I am
familiar with the conditions which presently exist; that the
statements made in this plan are, to the best of my knowledge, true
and correct; and, that the work associated with the operations
proposed herein will be performed by Quintana Petroleum Corp. and
its contractors and subcontractors in conformity with the plan and
the terms and conditions under which it is approved.

December 30, 1986
Date:


Lisa L. Green - PERMITCO INC.
Authorized Agent for:
QUINTANA PETROLEUM CORP.

— — — New Access to be Built





MAP #2
Quintana Petroleum Corp.
Deadman Canyon Federal #3-20
2380' FNL and 2180' FWL
Sec. 20, T37S - R24E
San Juan County, Utah

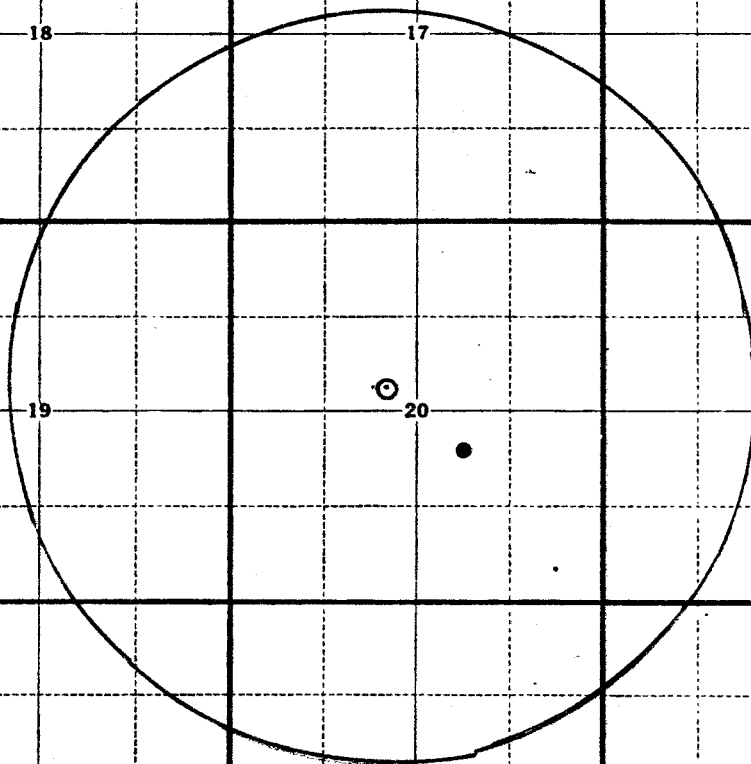
- Proposed Location
- Proposed Access Route
- - - New Access to be Built
- Deadman Canyon Federal #1-20

R24E

N



T
37
S

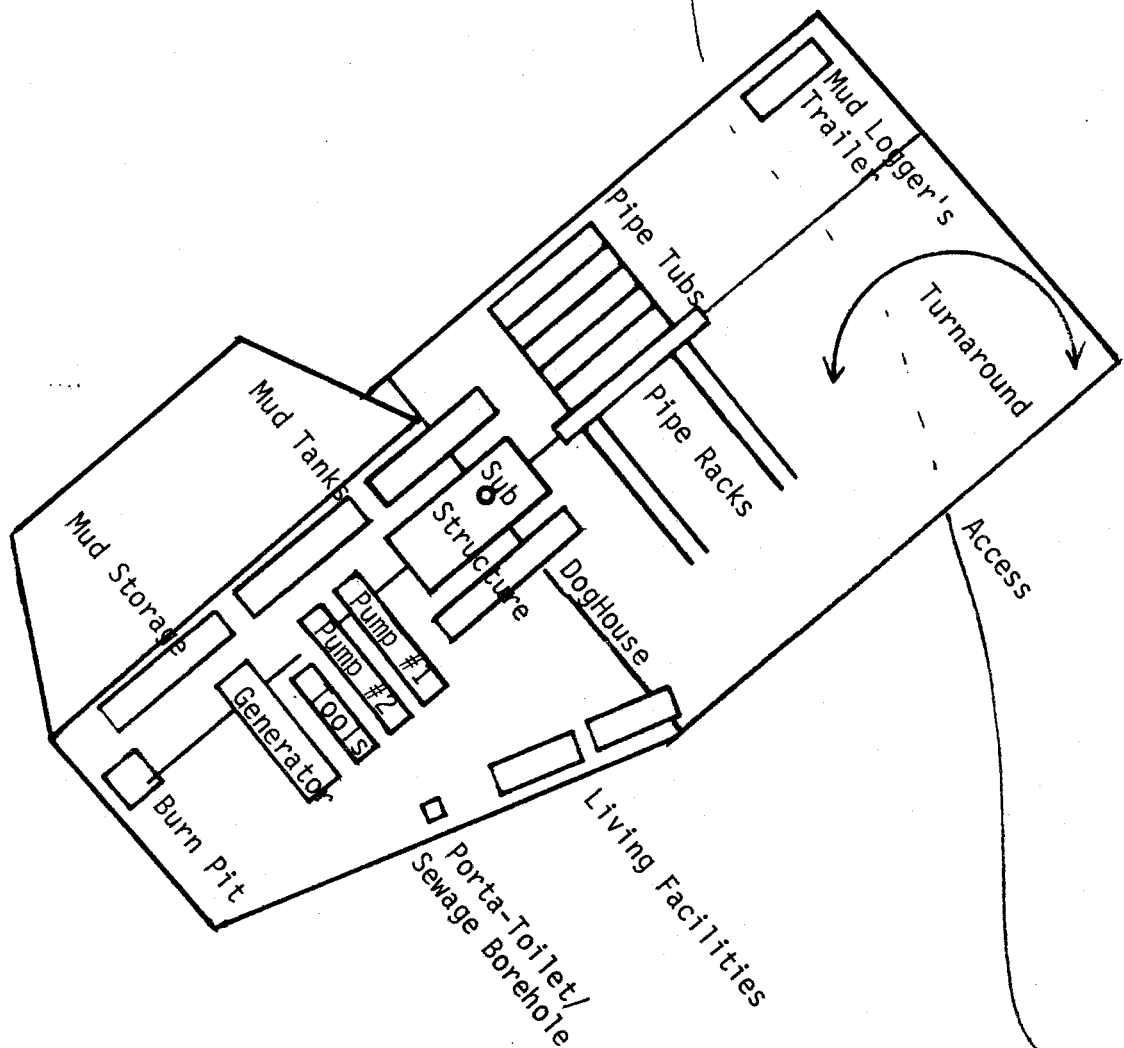


MAP #3
Quintana Petroleum Corp.
Deadman Canyon Federal #3-20
2380' FNL and 2180' FWL
Sec. 20, T37S - R24E
San Juan County, Utah

⊙ Proposed Location
● #1-20 (Waiting on Completion)


DIAGRAM #1 - Rig Layout
Quintana Petroleum Corp.
Deadman Canyon Federal #3-20
2380' FNL and 2180' FWL
Sec. 20, T37S - R24E
San Juan County, Utah

Scale: 1" = 60'



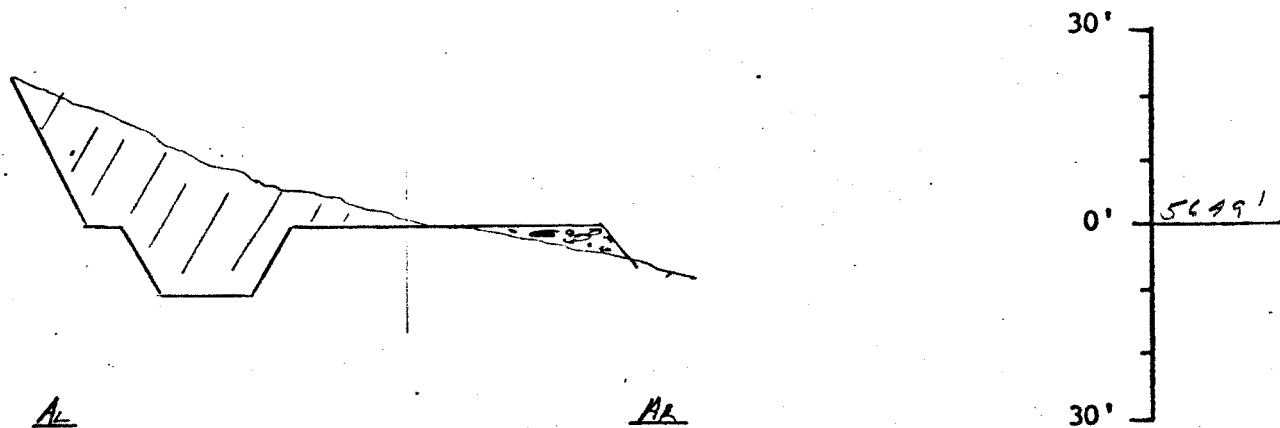
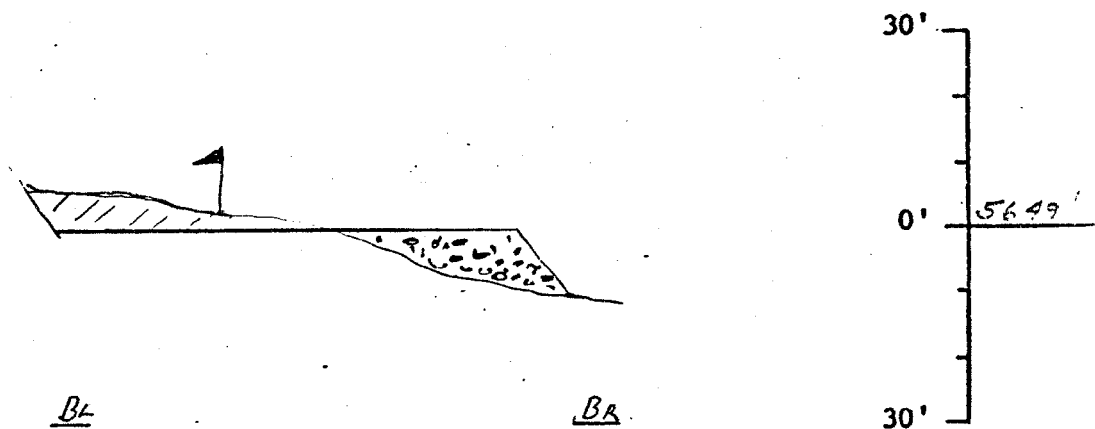
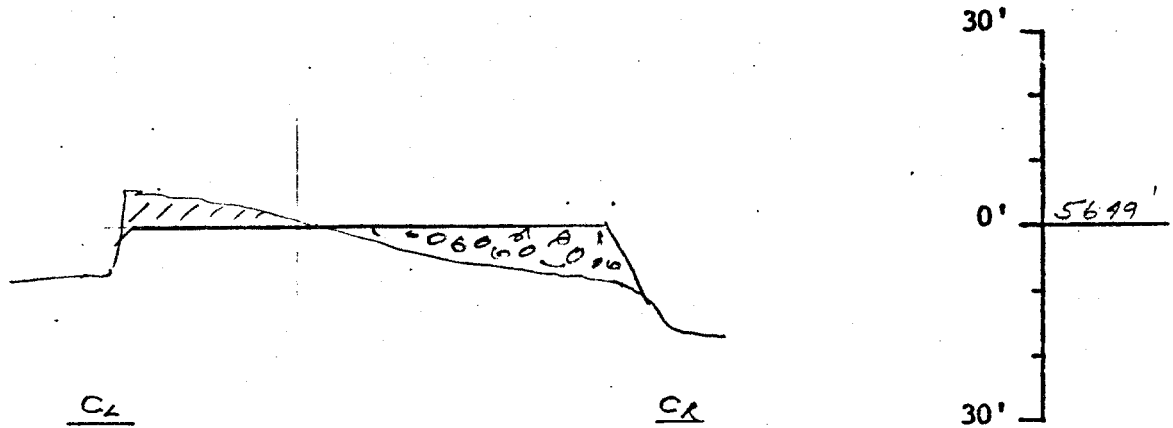
WELL PAD CROSS-SECTION

DIAGRAM #2
 Antana Petroleum Corp.
 Deadman Canyon Fed. #3-20
 2380' FNL and 2180' FWL
 Sec. 20, T37S - R24E
 San Juan County, Utah

Cut /////
 Fill 

Scales: 1" = 60' H.
 1" = 30' V.

3-20 Deadman Canyon



WELL PAD PLAN VIEW

DIAGRAM #3

Quintana Petroleum Corp.

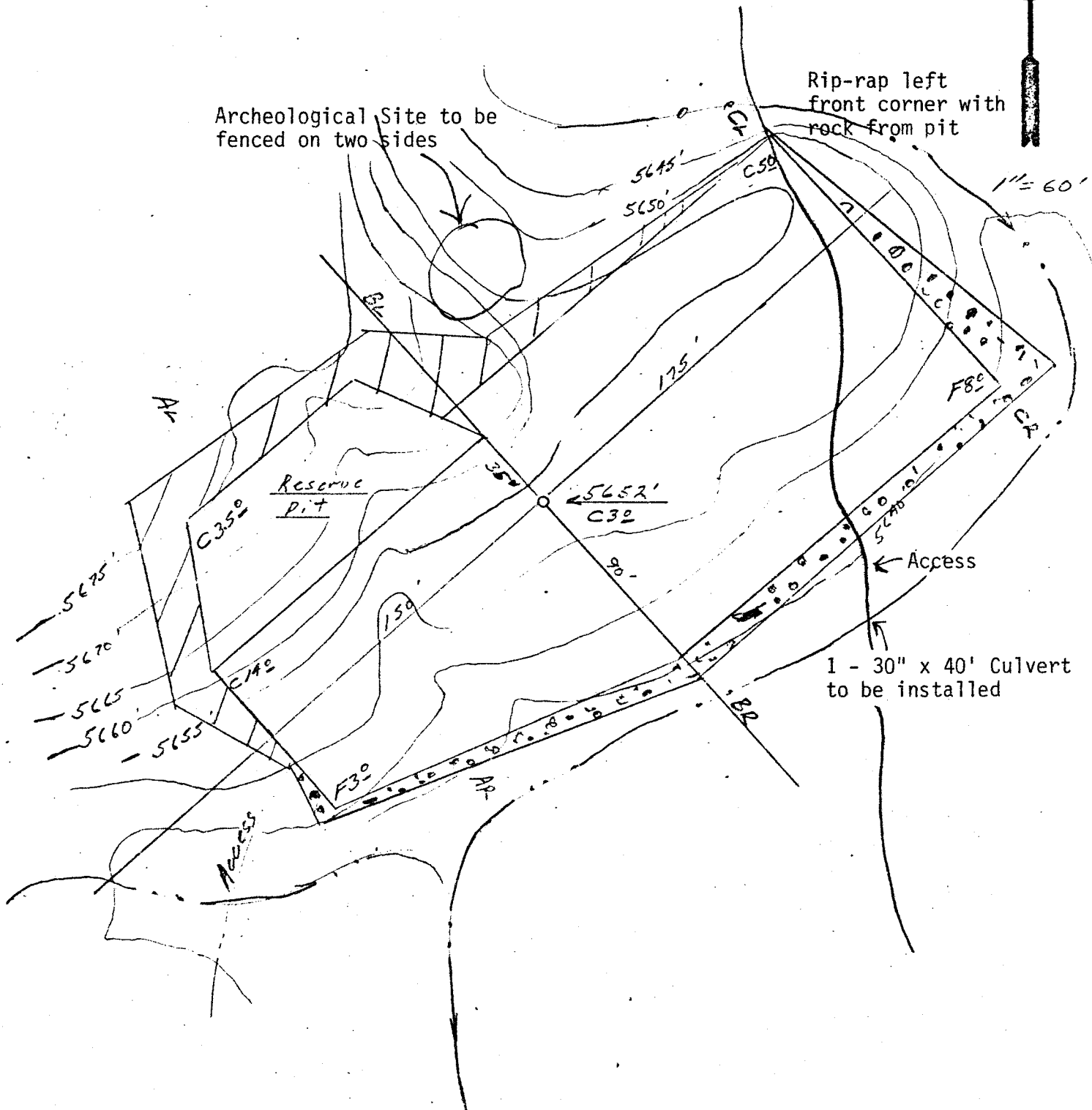
Deadman Canyon Federal #3-20

2380' FNL and 2180' FWL

Sec. 20, T37S - R24E

San Juan County, Utah

3-20 Deadman Canyon



~~CONFIDENTIAL~~

111213/off Cont.

011325

OPERATOR Quintana Petroleum Corp. DATE 1-8-87

WELL NAME Deadmen Canyon Fed. 3-20

SEC SE NW 20 T 37S R 24E COUNTY San Juan

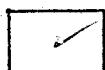
43-037-31304

API NUMBER

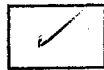
Fed.

TYPE OF LEASE

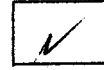
CHECK OFF:



PLAT



BOND



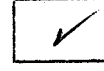
NEAREST
WELL



LEASE



FIELD



POTASH OR
OIL SHALE

PROCESSING COMMENTS:

no other well within 920'

need water permit

Exception loc. requested

APPROVAL LETTER:

SPACING:



203

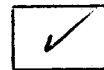
UNIT



302



CAUSE NO. & DATE



302.1

STIPULATIONS:

1- water

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

CONFIDENTIAL
SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

012010
Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Quintana Petroleum Corp. c/o PERMITCO INC. 303/322-7878

3. ADDRESS OF OPERATOR

P.O. Box 44065 Denver, CO 80201-4065

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2380' FNL and 2180' FWL

At proposed prod. zone

SE NW

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

22 miles southeast of Blanding, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

2180'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

1284'

19. PROPOSED DEPTH

6180'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5652' GR

22. APPROX. DATE WORK WILL START*

Immediately upon approval

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	2000'	760 sx or suffic. to circ to surf.
8-3/4"	5-1/2"	15.5 & 17#	6180'	350 sx or suffic. to cover zones of interest.

RECEIVED
JAN 09 1987

DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Gene Nodine

TITLE

Consultant for
Quintana Petroleum Corp.

DATE 12/30/86

(This space for Federal or State office use)

PERMIT NO.

43037 31304

APPROVAL DATE

JAN 07 1987

APPROVED BY

/S/ GENE NODINE

TITLE

DISTRICT MANAGER

DATE

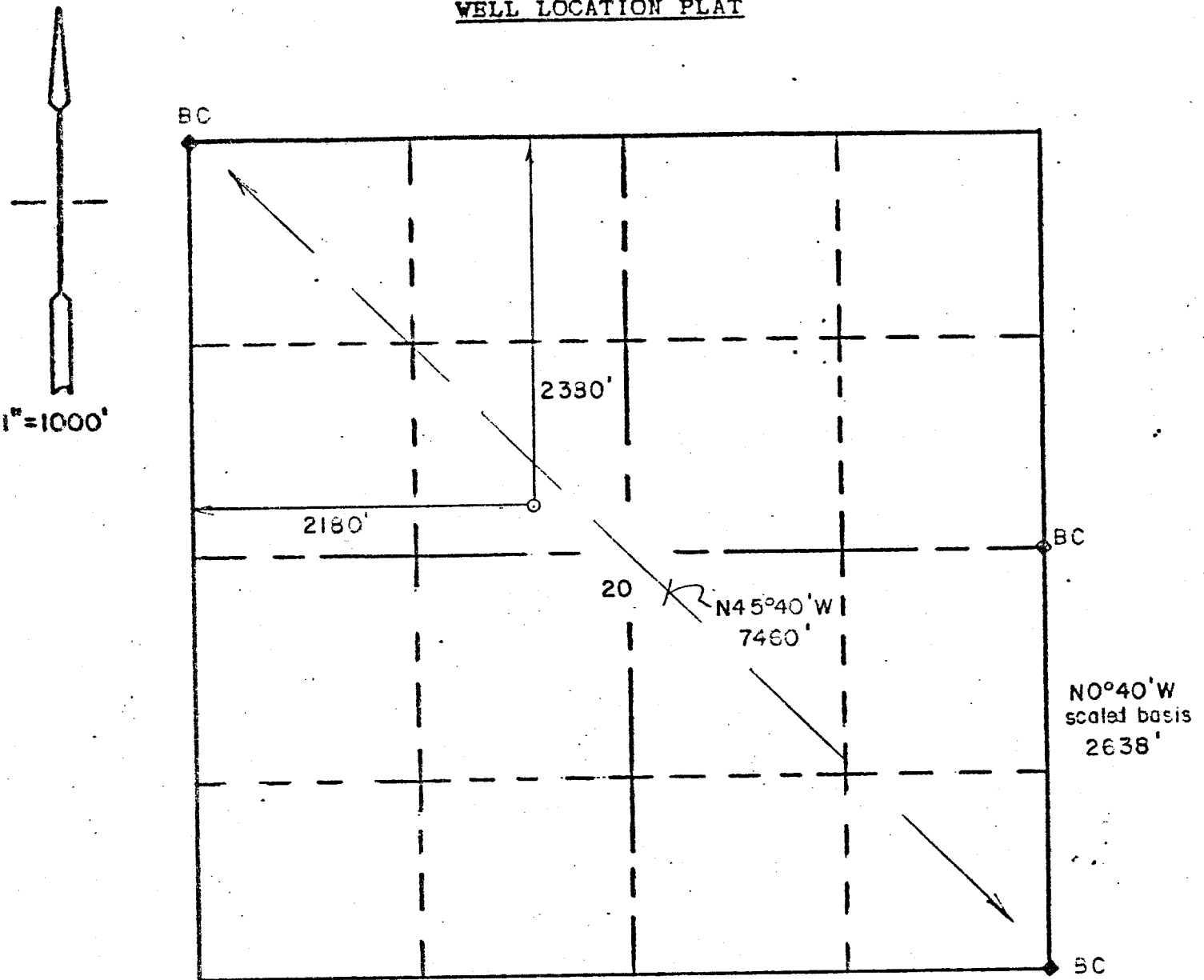
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

*See Instructions On Reverse Side

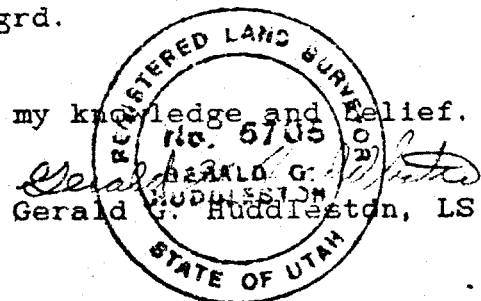
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION PLATWELL LOCATION DESCRIPTION:

Quintana Petroleum
 Deadman Canyon # 3-20
 2380' FNL & 2180' FWL
 Section 20, T.37 S., R.24 E., SLM
 San Juan County, Utah
 5652' grd. elevation
 Reference: N 60°20' E , 5667' grd.

The above plat is true and correct to my knowledge and belief.

12-28-'86



Quintana Petroleum Corporation
Well No. Deadman Canyon Federal 3-20
Sec. 20, T. 37 S., R. 24 E.
San Juan County, Utah
Lease U-57469

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

8. THIRTEEN POINT SURFACE USE PLAN

The archaeological site identified between the reserve pit and location will be fenced for avoidance prior to construction per diagram #3 of APD.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

January 9, 1987

Quintana Petroleum Corporation
c/o Permitco Inc.
P. O. Box 44065
Denver, Colorado 80201-4065

Gentlemen:

Re: Deadman Canyon Federal 3-20 - SE NW Sec. 20, T. 37S, R. 24E
2380' FNL, 2180' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302.1, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

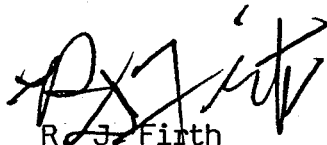
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2
Quintara Petroleum Corporation
Deadman Canyon Federal 3-20
January 9, 1987

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31304.

Sincerely,



R. J. Firth
Associate Director, Oil & Gas

as
Enclosures
cc: Branch of Fluid Minerals
D. R. Nielson
8159T

012816

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

API #43-037-31304

NAME OF COMPANY: QUINTANA PETROLEUM CORPORATION

WELL NAME: DEADMAN CANYON FEDERAL 3-20

SECTION SE NW 20 TOWNSHIP 37S RANGE 24E COUNTY San Juan

DRILLING CONTRACTOR Coleman

RIG # 3

SPUDDED: DATE 1-26-87

TIME 5:00 PM

HOW Rotary

DRILLING WILL COMMENCE

REPORTED BY Ray Koehn

TELEPHONE # 678-2278 (Room 101)

DATE 1-27-87 SIGNED AS/BJH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on re-
verse side)

Form approved. 012912
Budget Bureau No. 1004101-45
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR
QUINTANA PETROLEUM CORPORATION

3. ADDRESS OF OPERATOR
1050 - 17th Street, Suite 400, Denver, Colorado 80265
(303)628-9211

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements.
See also space 17 below.)
At surface
2380' FNL & 2180' FWL (SE NW)

14. PERMIT NO.
43-037-31304

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5652' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-57469

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

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7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

DEADMAN CANYON FEDERAL

9. WELL NO.

#3-20

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Section 20, T37S-R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Verbal approval received from Bob Turri, BLM - Monticello,
Friday January 23, 1987 for the following changes:

1. Change of Rig Layout: changed laydown of derrick to due north (was originally 30° East of North). See attached Diagram #1 for new layout.
2. Change of Water Source: original APD stated water would be trucked from pond on Gore Ranch in southeastern San Juan County. Water will now be sourced from two springs encountered while digging reserve pit. See attached Diagram #1 for location of springs.

Per instructions from Bob Turri, a dyke was built in the pit and plastic liner placed to seal off the reserve pit from the water flow. (see attached Diagram #1 for location of dyke and liner)

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18. I hereby certify that the foregoing is true and correct

SIGNED William TITLE Production Technician DATE 1/26/87

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

cc: Utah DOGM - Ron Firth

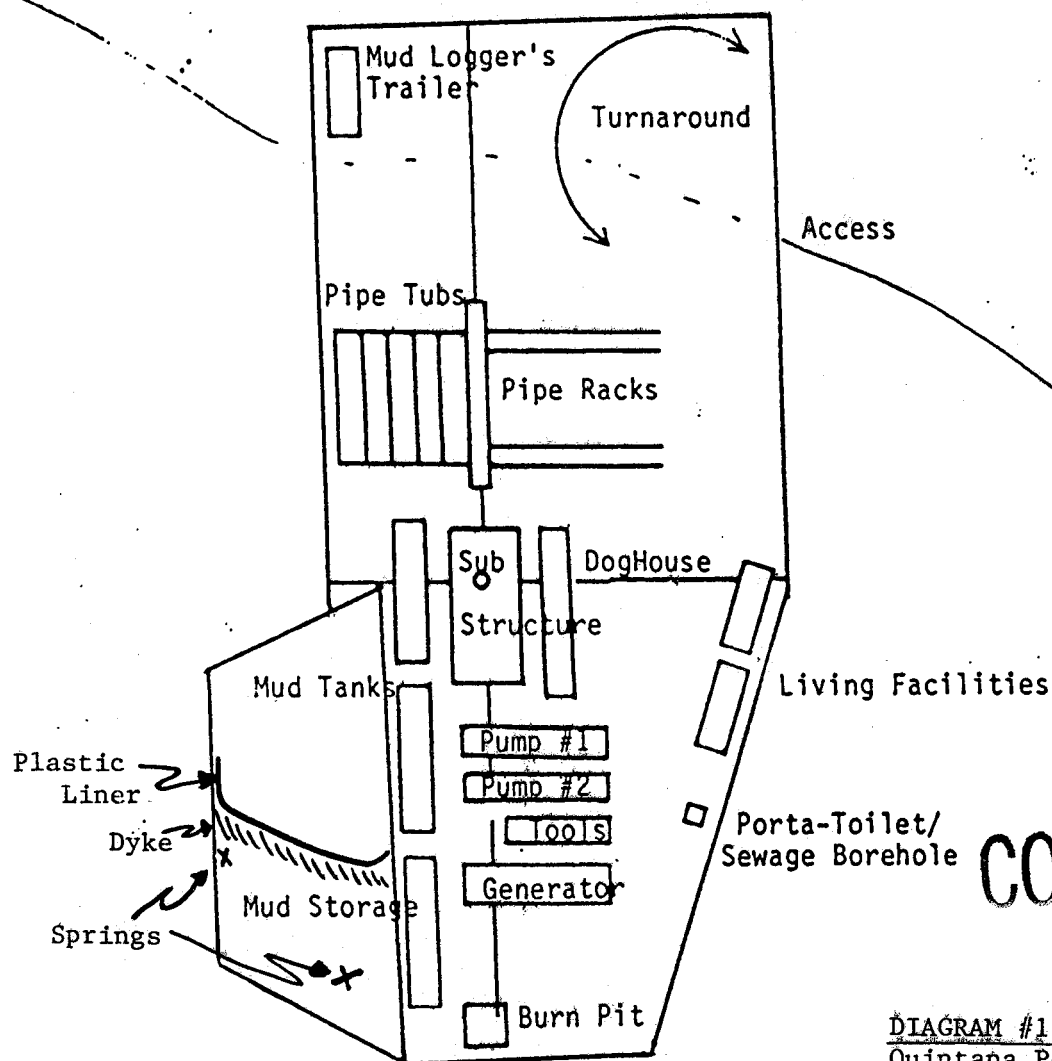
TITLE

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

*See Instructions on Reverse Side

DATE: 1-28-87

BY: John R. Baga



CONFIDENTIAL

CONFIDENTIAL

Scale: 1" = 60'

DIAGRAM #1 - Rig Layout
Quintana Petroleum Corporation
Deadman Canyon Federal #3-20
2380' FNL & 2180' FWL
SE NW Section 20, T37S-R24E
San Juan County, Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCE
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No. _____
Federal Lease No. U-57469
Indian Lease No. _____
Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Deadman Canyon Federal

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
January, 19 87

Agent's Address 1050 - 17th St., Suite 400 Company QUINTANA PETROLEUM CORPORATION
Denver, Colorado 80265 Signed *M. Williams*
Phone No. (303)628-9211 Title Production Technician

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Sec. 20 SE NW	37S	24E	13-20							43-037-31304 Spud 1/26/87. Now drilling at 130'. CONFIDENTIAL

RECEIVED
JAN 29 1987
DIVISION OF
OIL, GAS & MINING

GAS: (MCF)

Sold _____

Flared/Vented _____

Used On/Off Lease _____

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month _____

Produced during month _____

Sold during month _____

Unavoidably lost _____

Reason: _____

On hand at end of month _____

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

RECEIVED
FEB 13 1987

**DIVISION OF
OIL, GAS & MINING**

IGT

QUINTANA PETROLEUM CORPORATION
DEADMAN CANYON FEDERAL #3-20
SEC. 20, T37S-R24E
SAN JUAN COUNTY, UTAH

INTERMOUNTAIN GEO-TECH, INC.
P. O. BOX 158
DELTA, CO 81416
303-874-7762

QUINTANA PETROLEUM CORPORATION
DEADMAN CANYON FEDERAL #3-20
SEC. 20, T37S-R24E
SAN JUAN COUNTY, UTAH

TABLE OF CONTENTS

1. SUMMARY OF DAILY ACTIVITY	1
2. BIT RECORD	2
3. DEVIATION SHEET	3
4. DST	4
5. SHOW SHEETS	5-6
(1) COPY, FINAL MUDLOG (5"=100')	
(1) COPY, FINAL MUDLOG (2.5"=100')	
DRILLING CONTRACTOR:	COLEMAN RIG #3 FARMINGTON, NEW MEXICO
DRILLING FOREMAN:	MR. RAY KOEHN
PUSHER:	MR. GLEN STORIE
GEO TECHNOLOGISTS:	MR. NICK LARKIN - MR. TERRY DAOUST INTERMOUNTAIN GEO-TECH, INC. P. O. BOX 158 DELTA, CO 81416 303-874-7762
DRILLING FLUID:	MR. LARRY BALL MILPARK FARMINGTON, NEW MEXICO
DRILL STEM TEST:	MR. DAVE DOLYNIUK BAKER TOOLS FARMINGTON, NEW MEXICO
WIRE LINE LOGS:	MR. VANCE AYRES SCHLUMBERGER FARMINGTON, NEW MEXICO
GEOLOGIST:	MR. DOUG REDMOND P. O. Box 238 Yampa, CO

QUINTANA PETROLEUM CORPORATION
 DEADMAN CANYON FEDERAL #3-20
 SEC. 20, T37S-R24E
 SAN JUAN COUNTY, UTAH

SUMMARY OF DAILY ACTIVITY

DATE	ACTIVITY	MIDNITE DEPTH	24 HOUR FOOTAGE
1/31/87	IGT UNIT #2 ON LOC, RIGGING UP, DRLG	--	--
2/01/87	DRLG, SURV, DRLG, TOH REP SWIVEL, TIH, DRLG	4206'	687'
2/02/87	DRLG, SURV, TOH(HOLE IN PIPE), NB#6, TIH DRLG, SURV	4893'	422'
2/03/87	DRLG, SURV, DRLG	5315'	309'
2/04/87	DRLG, SURV, DRLG	5624'	254'
2/05/87	DRLG, TOH DST #1, TIH	5878'	52'
2/06/87	TIH CONT'D, DRLG, TOH NB#8, FIX CAT LINE SHAFT	5930'	78'
2/07/87	FIX CAT LINE SHAFT CONT'D, NB#8, TIH, SURV, DRLG	6008'	98'
2/08/87	DRLG, TD 6200', CIRC FOR "E" LOGS IGT UNIT #2 RELEASED	6106'	94'

QUINTANA PETROLEUM CORPORATION
 DEADMAN CANYON FEDERAL #3-20
 SEC. 20, T37S-R24E
 SAN JUAN COUNTY, UTAH

BIT RECORD

BIT #	SIZE	MAKE	TYPE	DEPTH OUT	FEET	HOURS
1	20"	HTC	R-2RR	52'	52'	1
2	12 $\frac{1}{4}$ "	HTC	J-44RR	1934'	1886'	56
3	12 $\frac{1}{4}$ "	SEC	M84FRR	2001'	67'	36 $\frac{1}{4}$
4	8 3/4"	VERNAL	V537CRR	2697'	696'	58
5	8 3/4"	STC	F-27	5077'	2380'	57 $\frac{1}{2}$
6	8 3/4"	STC	F-3	5930'	853'	59 $\frac{1}{2}$
7	8 3/4"	STC	F-3	6008'	78'	5 $\frac{1}{2}$
8	8 3/4"	SMITH	F-3RR	6205'	197'	11

QUINTANA PETROLEUM CORPORATION
DEADMAN CANYON FEDERAL #3-20
SEC. 20, T37S-R24E
SAN JUAN COUNTY, UTAH

DEVIATION SHEET FOR WELL. . . .

<u>DEPTH</u>	<u>DEVIATION (DEV)</u>
166'	1°
666'	$\frac{1}{2}$ °
1151'	$\frac{3}{4}$ °
1550'	1°
2001'	$1\frac{1}{4}$ °
2509'	$15/16$ °
3015'	$\frac{1}{4}$ °
3500'	$\frac{3}{4}$ °
4026'	$1\frac{1}{4}$ °
4524'	$\frac{3}{4}$ °
5024'	$\frac{3}{4}$ °
5518'	2°
5930'	$2\frac{1}{2}$ °
6008'	$3\frac{1}{4}$ °
6205'	$2\frac{1}{4}$ °

(IGT)
DST & SHOW SHEET

SHOW # _____ FROM _____ TO _____ DATE 2/5/87
COMPANY QUINTANA PETROLEUM CORPORATION
WELL DEADMAN CANYON FEDERAL #3-20
FIELD _____

	BEFORE SHOW	DURING SHOW	AFTER SHOW
DRILLING RATE			
TOTAL GAS UNITS			
METHANE %			
ETHANE %			
PROPANE %			
BUTANE (ISO) %			
BUTANE (NOR) %			
PENTANE %			
SAMPLE LITHOLOGY			
SAMPLE FLOR AND CUT			

DST #	1	FROM	5874	TO	5924	DATE	2/5/87
		MINUTES		TOP CHART	MIDDLE	BOTTOM CHART	
INITIAL HYDROSTATIC				2959	2975	2915	
INITIAL OPEN	30		82-164	75-169	82-192		
INITIAL SHUT-IN	60		2307	2300	2310		
SECOND OPEN	60		246-376	245-389	260-385		
SECOND SHUT-IN	120		2296	2290	2300		
FINAL HYDROSTATIC			2898	2960	2900		

1ST FLOW Open w/wk blo 1", 7" after 8 min, 13" after 30 min ngts

2ND FLOW Open w/v wk blo 1", 8" after 40 min, 12" at 60 min ngts

REMARKS BHT 134F

DRILL PIPE RECOVERY Recovered 800' 550' mud, 250' muddy saltwater

SAMPLE CHAMBER RECOVERY 190 lb 2000 cc 1000cc water 1000cc mud

DRILL PIPE- TOP- R/W=1 at 65°F, MIDDLE-R/W= at 65°F,

DRILL PIPE- BOTTOM-R/W=1 at 65°F, SAMPLE CHMER- R/W=1 at 65°F,

PIT MUD-R/W= 1 at 65°F

GEO-TECH Nick Larkin

COMPANY QUINTANA PETROLEUM CORPORATION

WELL NO. DEADMAN CANYON FEDERAL #3-20

LOCATION SEC. 20, T37S-R24E

ZONE OF INTEREST NO. Upper Ismay

INTERVAL: From 5893 To 5924

DRILL RATE: Abv 5.5 min/ft Thru 1-2 min/ft Below --

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	7 U	tr	--	--	--	--	--
During	320 U	.7%	.4%	.15%	tr	--	--
After	34 U	.2%	.08%	.06%	tr	--	--

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☐ Erratic ☐ Increasing ☒ Decreasing ☐

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}}$ X Min. in Peak = _____

Sensitivity: Poor ☐ Fair ☐ Good ☒

FLUO: Mineral ☐ Even ☐ Spotty ☒
None ☐ % in total sample _____
Poor ☒
Fair ☐ % in show lithology 5-10%
Good ☐ COLOR: Dull yel-gold

CUT: None ☐ Streaming
Poor ☒ Slow ☒
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: Mky

STAIN: None ☐ Poor ☒ Fair ☐ Good ☐ Live ☒ Dead ☐ Residue ☐ Even ☐ Spotty ☒ Lt. ☒ Dk. ☐

POROSITY: Poor ☐ Fair ☒ Good ☐ Kind VUG & XL

LITHOLOGY DOL - GYBRN BRN CRPXL LMY IP SDY IP OCC SUC FRM-MHD

SAMPLE QUALITY Good

NOTIFIED Joe Ross @ _____ HRS. DATE: 2/5/87

REMARKS Stopped drlg @ 5924', drill stem test, still in porosity

ZONE DESCRIBED BY Nick Larkin

COMPANY QUINTANA PETROLEUM CORPORATION
WELL NO. DEADMAN CANYON FEDERAL #3-20
LOCATION Sec. 20, T37S-R24E

ZONE OF INTEREST NO. Desert Creek

INTERVAL: From 6146 To 6156

DRILL RATE: Abv 6 min/ft Thru 1.5-3 min/ft Below 5-6 min/ft

MUD GAS-CHROMATOGRAPH DATA

	TOTAL	C ₁	C ₂	C ₃	C ₄	C ₅	OTHER
Before	80 U	.44%	.22%	.08%	--	--	--
During	640 U	5.79%	3.02%	.74%	--	--	--
After	200 U	1.45%	.76%	.19%	--	--	--

Type gas increase: Gradual ☐ Sharp ☒

Gas variation within zone: Steady ☐ Erratic ☐ Increasing ☒ Decreasing ☐

CARBIDE HOLE RATIO: $\frac{\text{GRAMS}}{\text{READING}} \times \text{Min. in Peak} =$ Sensitivity: Poor ☐ Fair ☐ Good ☐

FLUO: Mineral ☐ Even ☐ Spotty ☐
None ☒ % in total sample _____
Poor ☐
Fair ☐ % in show lithology _____
Good ☐ COLOR: _____

CUT: None ☒ Streaming
Poor ☐ Slow ☐
Fair ☐ Mod ☐
Good ☐ Fast ☐
COLOR: _____

STAIN: None ☒ Poor ☐ Fair ☐ Good ☐ Live ☐ Dead ☐ Residue ☐ Even ☐ Spotty ☐ Lt. ☐ Dk. ☐

POROSITY: Poor ☐ Fair ☐ Good ☐ Kind No Visible Ø

LITHOLOGY DOL - LT-MGY CRPXL VF MICXL ANHY LMY PYR SUC IP DNS TT MHD

SAMPLE QUALITY Good

NOTIFIED Joe Ross @ _____ HRS. DATE: 2/8/87

REMARKS _____

ZONE DESCRIBED BY Terry Daoust

FILING FOR WATER IN THE STATE OF UTAH

030708

21655

Rec. by SA

Fee Paid \$ 15.00

Platted _____

Microfilmed _____

Roll # _____

APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1500

APPLICATION NO. T62247

1. PRIORITY OF RIGHT: January 15, 1987

FILING DATE: January 15, 1987

2. OWNER INFORMATION

Name: Quintana Petroleum Corporation (303-628-9211)

Address: 1050 17th Street, Denver, CO 80265

The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 8.0 acre feet (Ac. Ft.)

4. SOURCE: Artesian Well DRAINAGE: San Juan River

POINT(S) OF DIVERSION:

COUNTY: San Juan

(1) N. 531 feet, W. 1810 feet, from the W $\frac{1}{4}$ Corner of Section 01,
Township 38 S, Range 24 E, SLB&M

Description of Diverting Works: Inch diameter well.

COMMON DESCRIPTION: 8 mi. No. Hatch Trading Post

5. NATURE AND PERIOD OF USE

Oil Exploration From January 15 to January 15.

RECEIVED
FEB 13 1987

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil well drilling

DIVISION OF
OIL, GAS & MINING

EXPLANATORY

The land is owned by Richard and Debra Gore. A letter of permission will be sent to your office by Mrs. Gore.

This application is being submitted for the following wells:

✓1) Deadman Canyon Federal #2-20 (SE4SE4): 43-037-31303 POW/1sm4
N. 500 ft. & W. 780 ft. from SE Cor. Sec. 20, T37S, R24E, SLB&M.

✓2) Deadman Canyon Federal #3-20 (SE4NW4): 43-037-31304 TA
S. 2380 ft. & E. 2180 ft. from NW Cor. Sec. 20, T37S, R24E, SLB&M.

3) Deadman Canyon Federal #4-20 (NW4NW4): 43-037-31305 Art. Cont.
S. 660 ft. & E. 690 ft. from NW Cor. Sec. 20, T37S, R24E, SLB&M.

4) Deadman Canyon Federal #1-28 (NW4NW4): 43-037-31306 POW/1sm4 Cont.
S. 500 ft. & E. 500 ft. from NW Cor. Sec. 28, T37S, R24E, SLB&M.

The estimated period of time to drill each oil well is approx. 25 days.

Spud date is pending approval of the Permit to Drill submitted to the BLM, however, we anticipate spudding the first location on approx. Jan. 20, 1987.

The last location will be spud approx. April 1, 1987 due to a deer winter range stipulation imposed by the BLM.

Appropriate

The applicant hereby acknowledges he/they are a citizen(s) of the
United States or intends to become such a citizen.

The quantity of water sought to be appropriated is limited to that which
can be beneficially used for the purpose herein described.

The undersigned hereby acknowledges that even though he/they may have been assisted in
the preparation of the above-numbered application through the courtesy of the employees
of the Division of Water Rights, all responsibility for the accuracy of the information
contained therein, at the time of filing, rests with the applicant(s).

Signature of Applicant

STATE ENGINEER'S ENDORSEMENT


WATER RIGHT NUMBER: 09 - 1500

APPLICATION NO. T62247

1. January 15, 1987 Application received by MP.
 2. January 16, 1987 Application designated for APPROVAL by MP and SG.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated January 30, 1987, subject to prior rights and this application will expire on January 30, 1988.


Robert L. Morgan, P.E.
State Engineer

FILING FOR WATER IN THE STATE OF UTAH

APPLICATION TO APPROPRIATE WATER

#21729

Rec. by SA

Fee Paid \$ 15.00

Platted _____

Microfilmed _____

Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1504

APPLICATION NO. T62267

1. PRIORITY OF RIGHT: February 2, 1987FILING DATE: February 2, 19872. OWNER INFORMATION

Name: Quintana Petroleum Corporation
phone (303) 628-9211
Address: 1050-17th Street, Denver, CO 80265

RECEIVED
FEB 19 1987

The land is not owned by the applicant(s), see explanatory.

DIVISION OF
OIL, GAS & MINING

3. QUANTITY OF WATER: 8.0 acre feet (Ac. Ft.)4. SOURCE: Two Springs DRAINAGE: San Juan River
POINT(S) OF DIVERSION:

COUNTY: San Juan

(1) S. 2485 feet, E. 2125 feet, from the NW Corner of Section 20,
Township 37 S, Range 24 E, SLB&M

(2) S. 2510 feet, E. 2150 feet, from the NW Corner of Section 20,
Township 37 S, Range 24 E, SLB&M

Description of Diverting Works: Tank trucks

COMMON DESCRIPTION: 10.5 mi. SE of Blanding

5. NATURE AND PERIOD OF USE

Oil Exploration From January 15 to January 15.

6. PURPOSE AND EXTENT OF USE

Oil Exploration: Oil and gas drilling operations.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN	RANGE	SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
37 S	24 E	20						X		X								X
37 S	24 E	28						X										

All locations in Salt Lake Base and Meridian

EXPLANATORY

The land is owned by the BLM - Leased by Quintana for drilling purposes.
Water may be supplemented by trucking water from pond in San Juan County
located: See 09-1500 (T62247). N. 531 ft. & W. 1810 ft. from NW Cor.
Sec. 1, T38S, R24E, SLB&M. Land owned by Richard & Debra Gore - Permit #7854.
Drill site locations are as follows:
Deadman Canyon Fed. #2-20:
N. 500 ft. & W. 780 ft. from SE Cor. Sec. 20, T37S, R24E, SLB&M.
Deadman Canyon Fed. #3-20:

Appropriate

S. 2380 ft. & E. 2180 ft. from NW Cor. Sec. 20, T37S, R24E, SLB&M.
Deadman Canyon Fed. #4-20:
S. 1100 ft. & E. 820 ft. from NW Cor. Sec. 20, T37S, R24E, SLB&M.
Deadman Canyon Fed. #1-28:
S. 500 ft. & E. 500 ft. from NW Cor. Sec. 28, T37S, R24E, SLB&M.

The applicant hereby acknowledges he/they are a citizen(s) of the
United States or intends to become such a citizen.

The quantity of water sought to be appropriated is limited to that which
can be beneficially used for the purpose herein described.

The undersigned hereby acknowledges that even though he/they may have been assisted in
the preparation of the above-numbered application through the courtesy of the employees
of the Division of Water Rights, all responsibility for the accuracy of the information
contained therein, at the time of filing, rests with the applicant(s).

Signature of Applicant

STATE ENGINEER'S ENDORSEMENT


WATER RIGHT NUMBER: 09 - 1504

APPLICATION NO. T62267

1. February 2, 1987 Application received by MP.
 2. February 2, 1987 Application designated for APPROVAL by MP and SG.
 3. Comments:
-
-

Conditions:

This application is hereby APPROVED, dated February 18, 1987, subject to prior rights and this application will expire on February 18, 1988.


Robert L. Morgan, P.E.
State Engineer

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No. _____
Federal Lease No. U-57469
Indian Lease No. _____
Fee & Pat. _____

030230

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Deadman Canyon Federal

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
FEBRUARY, 19 87

Agent's Address 1050 - 17th St., Suite 400 Company QUINTANA PETROLEUM CORPORATION
Denver, Colorado 80265 Signed *J. Williams*
Phone No. (303)628-9211 Title Production Technician

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cau date and result of test for gasoline content of gas)
Sec. 20 SE NW	37S	24E	#3-20							43-037-31304 Drilled to 6205' TD. Set cement plugs. Well temporarily abandoned. Rig released 2/11/87. FINAL REPORT.

CONFIDENTIAL

RECEIVED
FEB 27 1987
DIVISION OF
OIL, GAS & MINING

GAS: (MCF)
Sold _____
Flared/Vented _____
Used On/Off Lease _____

OIL or CONDENSATE: (To be reported in Barrels)
On hand at beginning of month _____
Produced during month _____
Sold during month _____
Unavoidably lost _____
Reason: _____
On hand at end of month _____

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. THIS REPORT MUST BE FILED IN DUPLICATE.
Note: The API number must be listed on each well.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
4241 STATE OFFICE BUILDING
SALT LAKE CITY, UTAH 84114
533-5771

State Lease No. _____
Federal Lease No. U-57469
Indian Lease No. _____
Fee & Pat. _____

REPORT OF OPERATIONS AND WELL STATUS REPORT

STATE Utah COUNTY San Juan FIELD/LEASE Deadman Canyon Federal

The following is a correct report of operations and production (including drilling and producing wells) for the month of:
FEBRUARY, 1987

Agent's Address 1050 - 17th St., Suite 400 Company QUINTANA PETROLEUM CORPORATION
Denver, Colorado 80265 Signed J. Mulliken
Phone No. (303)628-9211 Title Production Technician

Sec. and ¼ of ¼	Twp.	Range	Well No.	Days Produced	Barrels of Oil	Gravity	Cu. Ft. of Gas (In thousands)	Gallons of Gasoline Recovered	Barrels of Water (if none, so state)	API NUMBER/REMARKS (If drilling, depth; if shut down, cau- date and result of test for gasoline content of gas)
Sec. 20 SE NW	37S	24E	#3-20							43-037-31304 Drilled to 6205' TD. Set cement plugs. Well temporarily abandoned. Rig released 2/11/87. FINAL REPORT.

CONFIDENTIAL

RECEIVED
FEB 27 1987

DIVISION OF
OIL, GAS & MINING

GAS: (MCF)

Sold _____
Flared/Vented _____
Used On/Off Lease _____

OIL or CONDENSATE: (To be reported in Barrels)

On hand at beginning of month _____
Produced during month _____
Sold during month _____
Unavoidably lost _____
Reason: _____
On hand at end of month _____

DRILLING/PRODUCING WELLS: This report must be filed on or before the sixteenth day of the succeeding month following production for each well. Where a well is temporarily shut-in, a negative report must be filed. **THIS REPORT MUST BE FILED IN DUPLICATE.**

Note: The API number must be listed on each well.

Contractor Coleman Drilling
 Rig No. #3
 Spot --
 Sec. 20
 Twp. 37S
 Rng. 24E
 Field Wildcat
 County San Juan
 State Utah
 Elevation 5660 ft
 Formation Desert Creek

Top Choke 3/4"
 Bottom Choke 3/4"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60#
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 312 ft
 Total Depth 6205 ft
 Interval Tested 6105-6205 ft
 Type of Test Bottom Hole
Conventional

Flow No. 1 30 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 140°F
 Mud Weight 9.6#
 Gravity --
 Viscosity 42

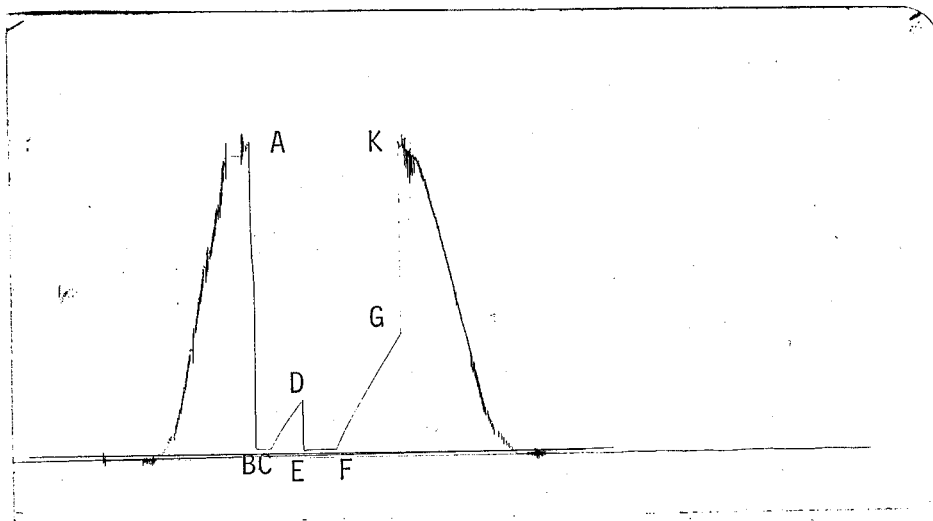
Tool opened @ 6:20 am

Inside Recorder

PRD Make Kuster K-3
 No. 24645 Cap. 4450 @ 6120'

Press	Corrected
Initial Hydrostatic A	3039
Final Hydrostatic K	3024
Initial Flow B	92
Final Initial Flow C	88
Initial Shut-in D	563
Second Initial Flow E	64
Second Final Flow F	77
Second Shut-in G	1197
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Farmington, NM
 Our Tester David Dolyniuk
 Witnessed By Ray Koehn



Did Well Flow -- Gas No Oil No Water No

RECOVERY IN PIPE: 150 ft. Slightly gas cut mud = .74 bbl.

Blow Description:

1st flow:

Tool opened with a 2" blow increased to 5 1/2 psi at the end of the flow.

2nd flow:

Tool opened with a 1 psi blow increased to 7 psi in 5 minutes and remained throughout the flow.

Comment:

The test results indicate a mechanically successful test. The flow and shut-in tool indicates virtually no permeability within the zone tested. The initial and final shut-in curves were incremented and plotted but no accurate extrapolations could be performed due to insufficient curve development.

Operator Quintana Petroleum
 Address 1050 17th Street, Suite 400
Denver, CO 80267

Well Name and No. Deadman Canyon Federal #3-20
 Ticket No. 21208

Date 2-10-87

DSI No. 2
 No. Final Copies 13

DST#: 2

DEADMAN CANYON FEDERAL #3-20

6105 - 6205ft.

Location: 20-37S-24E

Recorder Number: 24645

Test Type: BOTTOM HOLE CONVENTIONAL

Recorder Depth: 6120 ft.

Formation: DESERT CREEK

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	ABSCISSA	PRESSURE SQUARED psi ² /10 ⁶
A	INITIAL HYDROSTATIC	0.00		3039.0		
B	START OF 1st FLOW	0.00		92.0		
C	END OF 1st FLOW	30.00		88.0		
	1st SHUTIN PERIOD	0.00	0.0	88.0	0.0000	
		5.00	51.0	139.0	7.0000	
		10.00	115.0	203.0	4.0000	
		15.00	141.0	229.0	3.0000	
		20.00	183.0	271.0	2.5000	
		25.00	222.0	310.0	2.2000	
		30.00	260.0	348.0	2.0000	
		35.00	297.0	385.0	1.8571	
		40.00	335.0	423.0	1.7500	
		45.00	369.0	457.0	1.6667	
		50.00	406.0	494.0	1.6000	
		55.00	440.0	528.0	1.5455	
D	END OF 1st SHUTIN	60.00	475.0	563.0	1.5000	
E	START OF 2nd FLOW	0.00		64.0		
F	END OF 2nd FLOW	60.00		77.0		
	2nd SHUTIN PERIOD	0.00	0.0	77.0	0.0000	
		5.00	64.0	141.0	19.0000	
		10.00	120.0	197.0	10.0000	
		15.00	181.0	258.0	7.0000	
		20.00	224.0	301.0	5.5000	
		25.00	275.0	352.0	4.6000	
		30.00	333.0	410.0	4.0000	
		35.00	374.0	451.0	3.5714	
		40.00	419.0	496.0	3.2500	
		45.00	466.0	543.0	3.0000	
		50.00	510.0	587.0	2.8000	
		55.00	553.0	630.0	2.6364	
		60.00	597.0	674.0	2.5000	
		65.00	642.0	719.0	2.3846	
		70.00	692.0	769.0	2.2857	
		75.00	734.0	811.0	2.2000	
		80.00	779.0	856.0	2.1250	
		85.00	825.0	902.0	2.0588	
		90.00	869.0	946.0	2.0000	

DST#: 2

DEADMAN CANYON FEDERAL #3-20

6105 - 6205ft.

Location: 20-37S-24E

Recorder Number: 24645

Test Type: BOTTOM HOLE CONVENTIONAL

Recorder Depth: 6120 ft.

Formation: DESERT CREEK

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	ABSCISSA	PRESSURE SQUARED psi ² /10 ⁶
		95.00	912.0	989.0	1.9474	
		100.00	952.0	1029.0	1.9000	
		105.00	998.0	1075.0	1.8571	
		110.00	1038.0	1115.0	1.8182	
		115.00	1082.0	1159.0	1.7826	
G	END OF 2nd SHUTIN	120.00	1120.0	1197.0	1.7500	
Q	FINAL HYDROSTATIC	0.00		3024.0		

* VALUES USED FOR EXTRAPOLATIONS

OPERATOR: QUINTANA PETROLEUM

WELL NAME: DEADMAN CANYON FEDERAL #3-20

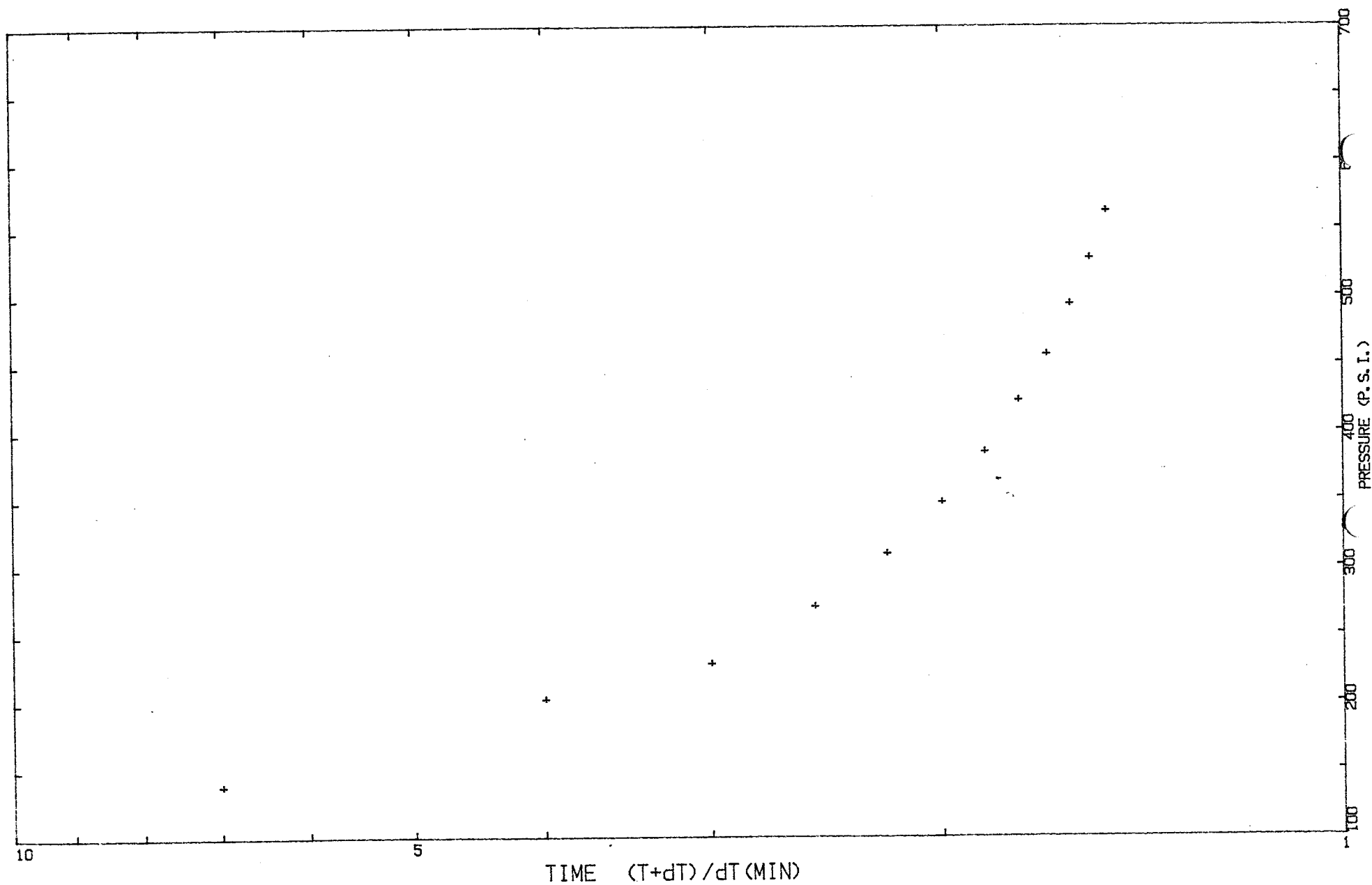
LOCATION: 20-37S-24E

DST #: 2

FIRST SHUT-IN

RECORDER: 24645

DEPTH: 6120 ft.



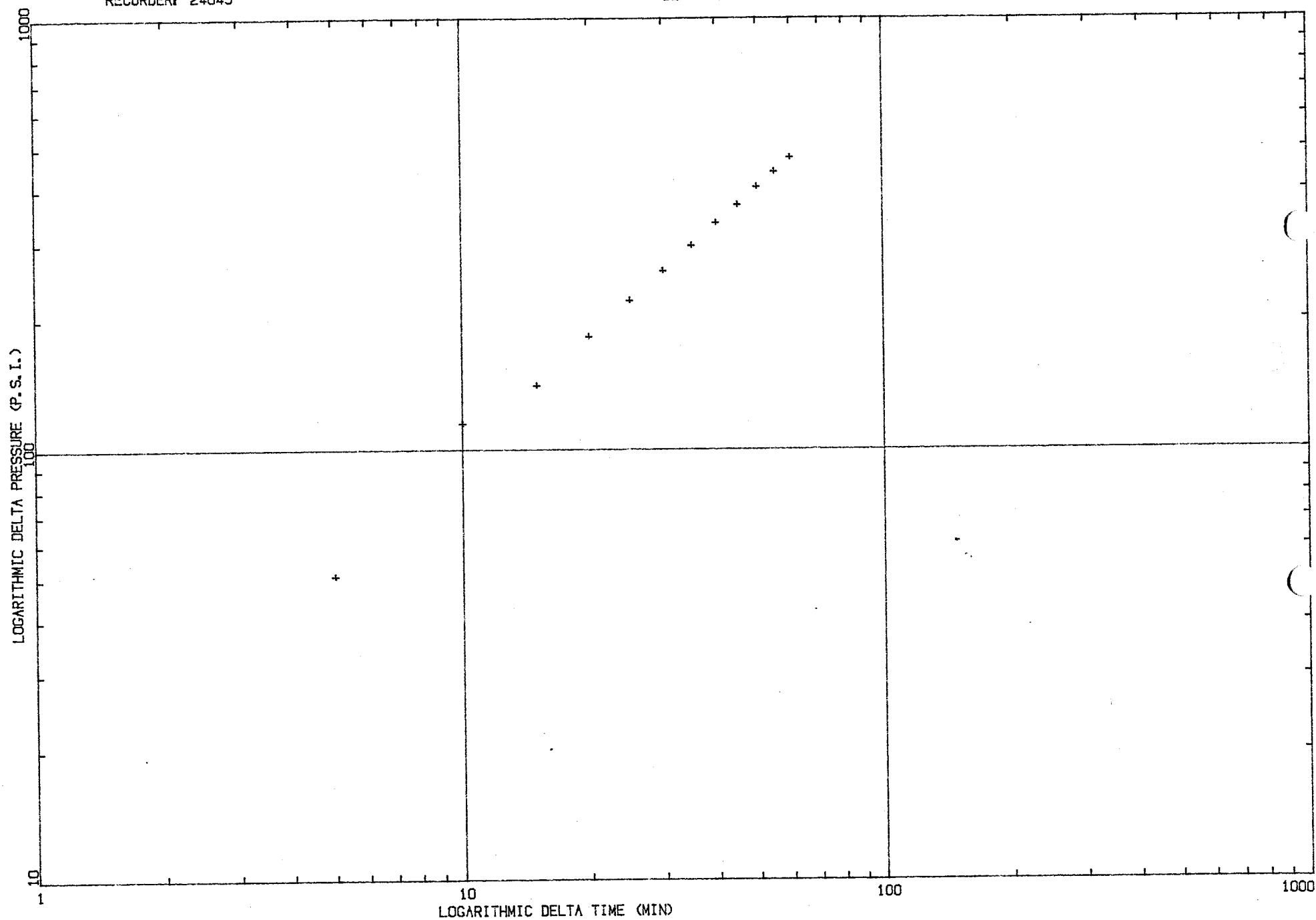
OPERATOR: QUINTANA PETROLEUM
LOCATION: 20-37S-24E
RECORDER: 24845

WELL NAME: DEADMAN CANYON FEDERAL #3-20

DST #: 2

DEPTH: 6120 ft.

FIRST SHUT-IN



OPERATOR: QUINTANA PETROLEUM

WELL NAME: DEADMAN CANYON FEDERAL #3-20

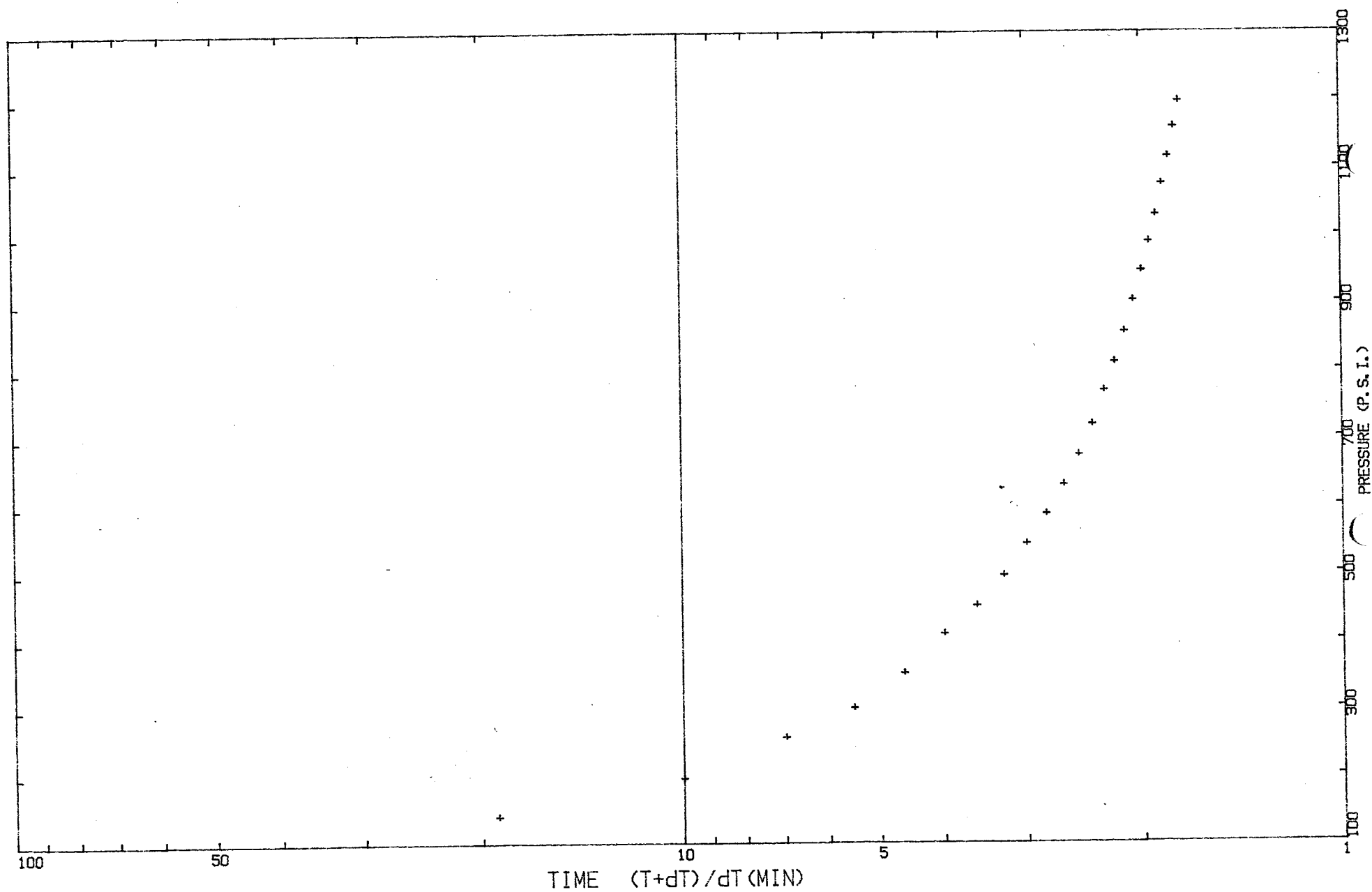
LOCATION: 20-37S-24E

DST #: 2

SECOND SHUT-IN

RECORDER: 24645

DEPTH: 6120 ft.



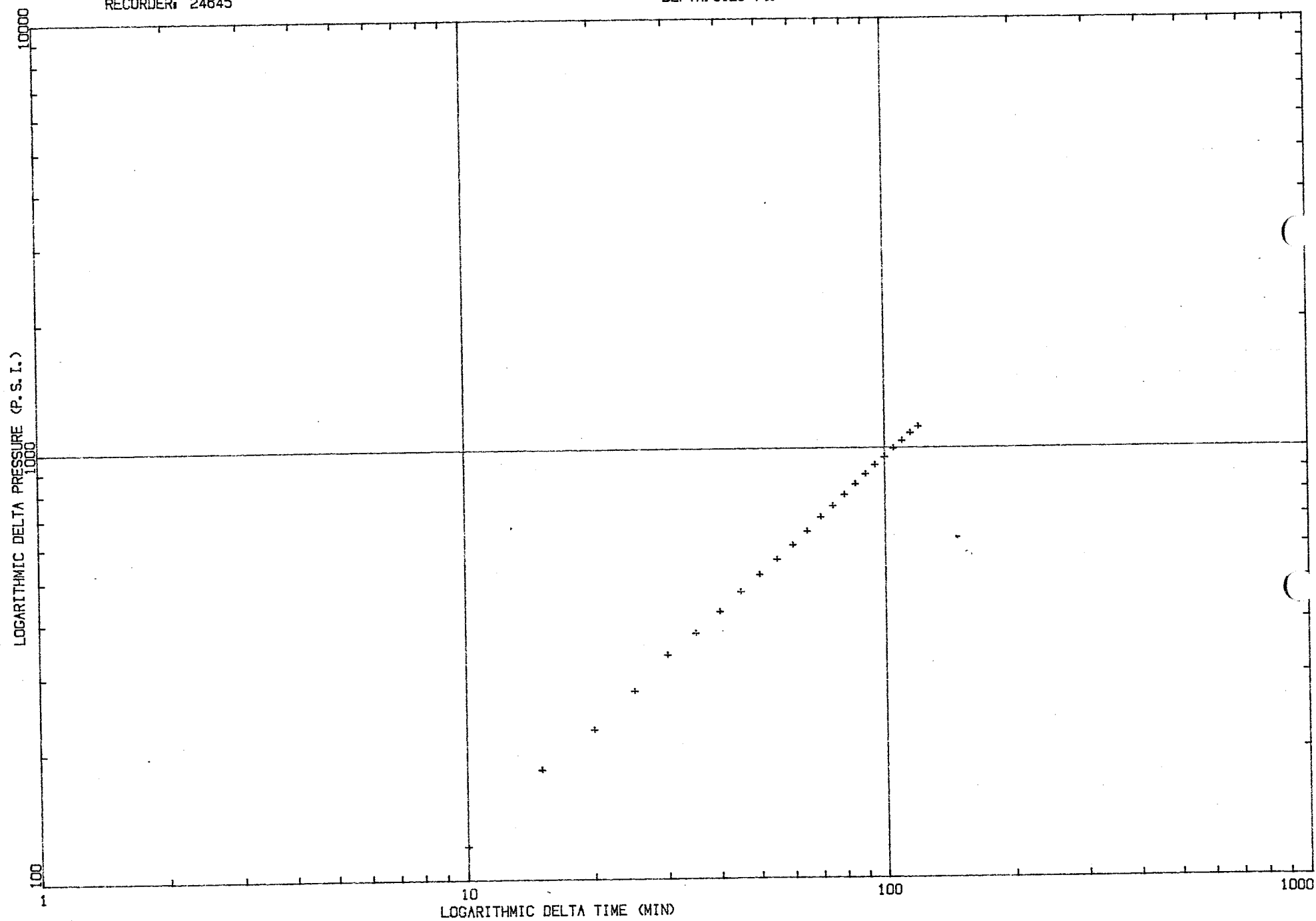
OPERATOR: QUINTANA PETROLEUM
LOCATION: 20-37S-24E
RECORDER: 24845

WELL NAME: DEADMAN CANYON FEDERAL #3-20

DST #: 2

DEPTH: 8120 ft.

SECOND SHUT-IN



DST#: 2

DEADMAN CANYON FEDERAL #3-20

6105 - 6205ft.

Location: 20-37S-24E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: DESERT CREEK

Recorder Number: 24645
Recorder Depth: 6120 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2100	cc
Volume of sample.....	1800	cc
Pressure in sampler.....	60	psig
Where sampler was drained...	on location	

Sampler contained:
Mud 1800 cc

RESISTIVITY DATA:

Top.....	3200 PPM NACL
Middle.....	3200 PPM NACL
Bottom.....	3200 PPM NACL
Sampler.....	3200 PPM NACL
Mud pit.....	3200 PPM NACL
Make-up Water...	3200 PPM NACL

QUINTANA PETROLEUM
DST#: 2
DEADMAN CANYON FEDERAL #3-20
6105 - 6205ft.

Page 4

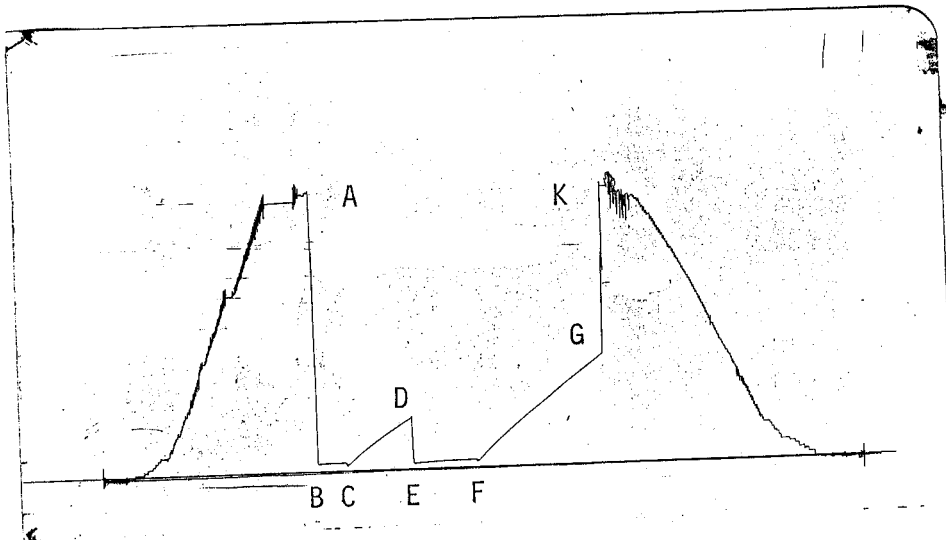
PRESSURE RECORDER NUMBER : 7661

DEPTH : 6081.00ft.
TYPE : K-3

LOCATION : INSIDE
CAPACITY : 4900.00psi

PRESSURE
psi

A)Initial Hydro : 3021.0
B)1st Flow Start: 103.0
C)1st Flow End : 84.0
D)END 1st Shutin: 571.0
E)2nd Flow Start: 82.0
F)2nd Flow End : 92.0
G)END 2nd Shutin: 1206.0
Q)Final Hydro. : 3010.0



TEST TIMES(MIN)
1st FLOW : 30
SHUTIN: 60
2nd FLOW : 60
SHUTIN: 120

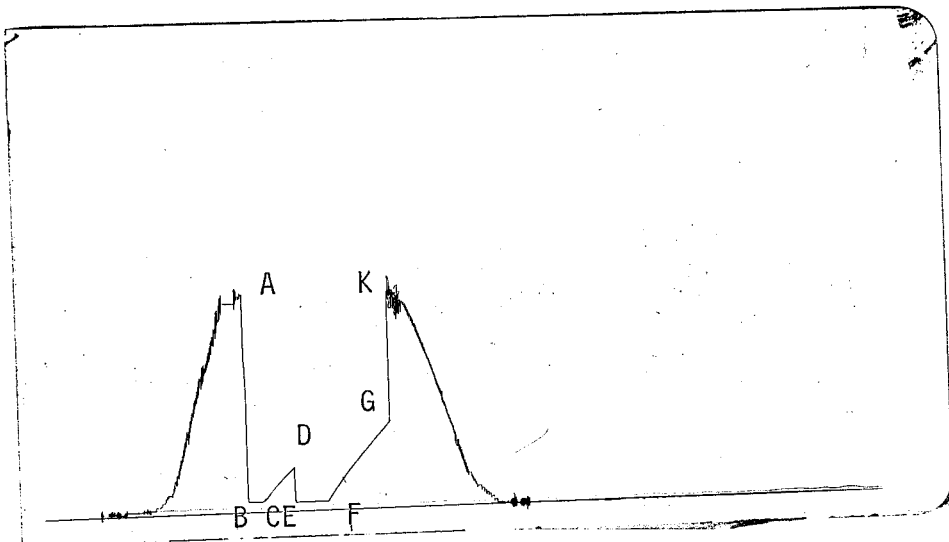
PRESSURE RECORDER NUMBER : 24519

DEPTH : 6201.00ft.
TYPE : K-3

LOCATION : OUTSIDE
CAPACITY : 6650.00psi

PRESSURE
psi

A)Initial Hydro : 3070.0
B)1st Flow Start: 116.0
C)1st Flow End : 116.0
D)END 1st Shutin: 584.0
E)2nd Flow Start: 94.0
F)2nd Flow End : 102.0
G)END 2nd Shutin: 1217.0
Q)Final Hydro. : 3042.0



Contractor Coleman Drilling
 Rig No. #3
 Spot --
 Sec. 20
 Twp. 37S
 Rng. 24E
 Field Wildcat
 County San Juan
 State Utah
 Elevation 5666 ft
 Formation Upper Ismay

Top Choke 1"
 Bottom Choke 3/4"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60#
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 711 ft
 Total Depth 5924 ft
 Interval Tested 5874-5924 ft
 Type of Test Bottom Hole Conventional

Flow No. 1 30 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 60 Min.
 Shut-in No. 2 120 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 134° F
 Mud Weight 9.6#
 Gravity --
 Viscosity 39

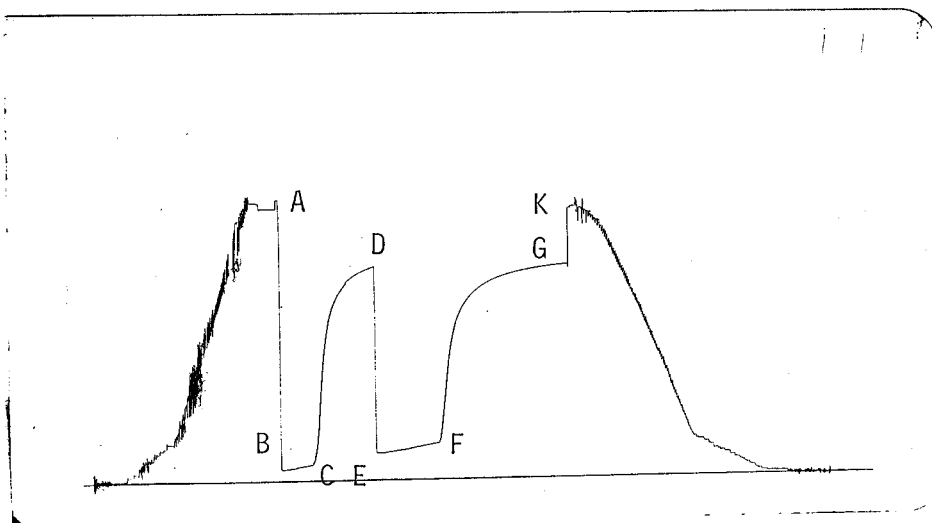
Tool opened @ 11:30 am

Inside Recorder

PRD Make Kuster K-3
 No. 7661 Cap. 4900 @ 5850'

	Press	Corrected
Initial Hydrostatic	A	2897
Final Hydrostatic	K	2885
Initial Flow	B	113
Final Initial Flow	C	166
Initial Shut-in	D	2272
Second Initial Flow	E	324
Second Final Flow	F	383
Second Shut-in	G	2276
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Farmington, NM
 Our Tester: David Dolyniuk
 Witnessed By: Ray Koehn



Did Well Flow - Gas No Oil No Water No

RECOVERY IN PIPE:

800 ft. Total fluid recovered = 4.75 bbls.
 550 ft. Mud = 3.52 bbls.
 250 ft. Muddy salt water = 1.23 bbls.

Blow Description:

1st flow: Tool opened with a 1" blow increased to 13" at the end of the flow.

2nd flow: Tool opened with a 1" blow increased to 12" at the end of the flow.

Comments:

The test results indicate a mechanically successful test. The flow and shut-in curves suggest average permeability within the zone tested.

Recorder 6625 was run above the shut-in tool.

Operator Quintana Petroleum
 Address 1050 17th Street, Suite 400
Denver, CO 80265

Well Name and No. Deadman Canyon Federal #3-20
 Ticket No. 1315

Date 3-5-87
 DST No. 1
 No. Final Copies 13

Location: 20-37S-24E
 Test Type: BOTTOM HOLE CONVENTIONAL
 Formation: UPPER ISMAY

Recorder Number: 7661
 Recorder Depth: 5850 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	ABSCISSA	PRESSURE SQUARED psi ² /10 ⁶
A	INITIAL HYDROSTATIC	0.00		2897.0		
B	START OF 1st FLOW	0.00		113.0		
C	END OF 1st FLOW	30.00		166.0		
	1st SHUTIN PERIOD	0.00	0.0	766.0	0.0000	
		5.00	-282.0	484.0	7.0000	
		10.00	448.0	1214.0	4.0000	
		15.00	873.0	1639.0	3.0000	
		20.00	1089.0	1855.0	2.5000	
		25.00	1210.0	1976.0	2.2000	
		30.00	1288.0	2054.0	2.0000	
		35.00	1369.0	2135.0	1.8571	
		40.00	1408.0	2174.0	1.7500	
		45.00	1442.0	2208.0	1.6667	
		50.00	1466.0	2232.0	1.6000	
		55.00	1489.0	2255.0	1.5455	
D	END OF 1st SHUTIN	60.00	1506.0	2272.0	1.5000	
E	START OF 2nd FLOW	0.00		324.0		
F	END OF 2nd FLOW	60.00		383.0		
	2nd SHUTIN PERIOD	0.00	0.0	383.0	0.0000	
		5.00	395.0	778.0	19.0000	
		10.00	907.0	1290.0	10.0000	
		15.00	1216.0	1599.0	7.0000	
		20.00	1385.0	1768.0	5.5000	
		25.00	1490.0	1873.0	4.6000	
		30.00	1567.0	1950.0	4.0000	
		35.00	1619.0	2002.0	3.5714	
		40.00	1663.0	2046.0	3.2500	
		45.00	1702.0	2085.0	3.0000	
		50.00	1729.0	2112.0	2.8000	
		55.00	1756.0	2139.0	2.6364	
		60.00	1777.0	2160.0	2.5000	
		65.00	1793.0	2176.0	2.3846	
		70.00	1810.0	2193.0	2.2857	
		75.00	1822.0	2205.0	2.2000	
		80.00	1835.0	2218.0	2.1250	
		85.00	1845.0	2228.0	2.0588	
		90.00	1856.0	2239.0	2.0000	

ST#: 1

DEADMAN CANYON FEDERAL #3-20
5874 - 5924ft.Location: 20-37S-24E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: UPPER ISMAYRecorder Number: 7661
Recorder Depth: 5850 ft.TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P psi	PRESSURE (T+dt)/dt psi	ABSCISSA	PRESSURE SQUARED psi ² /10 ⁶
		95.00	1862.0	2245.0	1.9474	
		100.00	1870.0	2253.0	1.9000	
		105.00	1876.0	2259.0	1.8571	
		110.00	1885.0	2268.0	1.8182*	
		115.00	1889.0	2272.0	1.7826*	
G	END OF 2nd SHUTIN	120.00	1893.0	2276.0	1.7500*	
Q	FINAL HYDROSTATIC	0.00		2885.0		

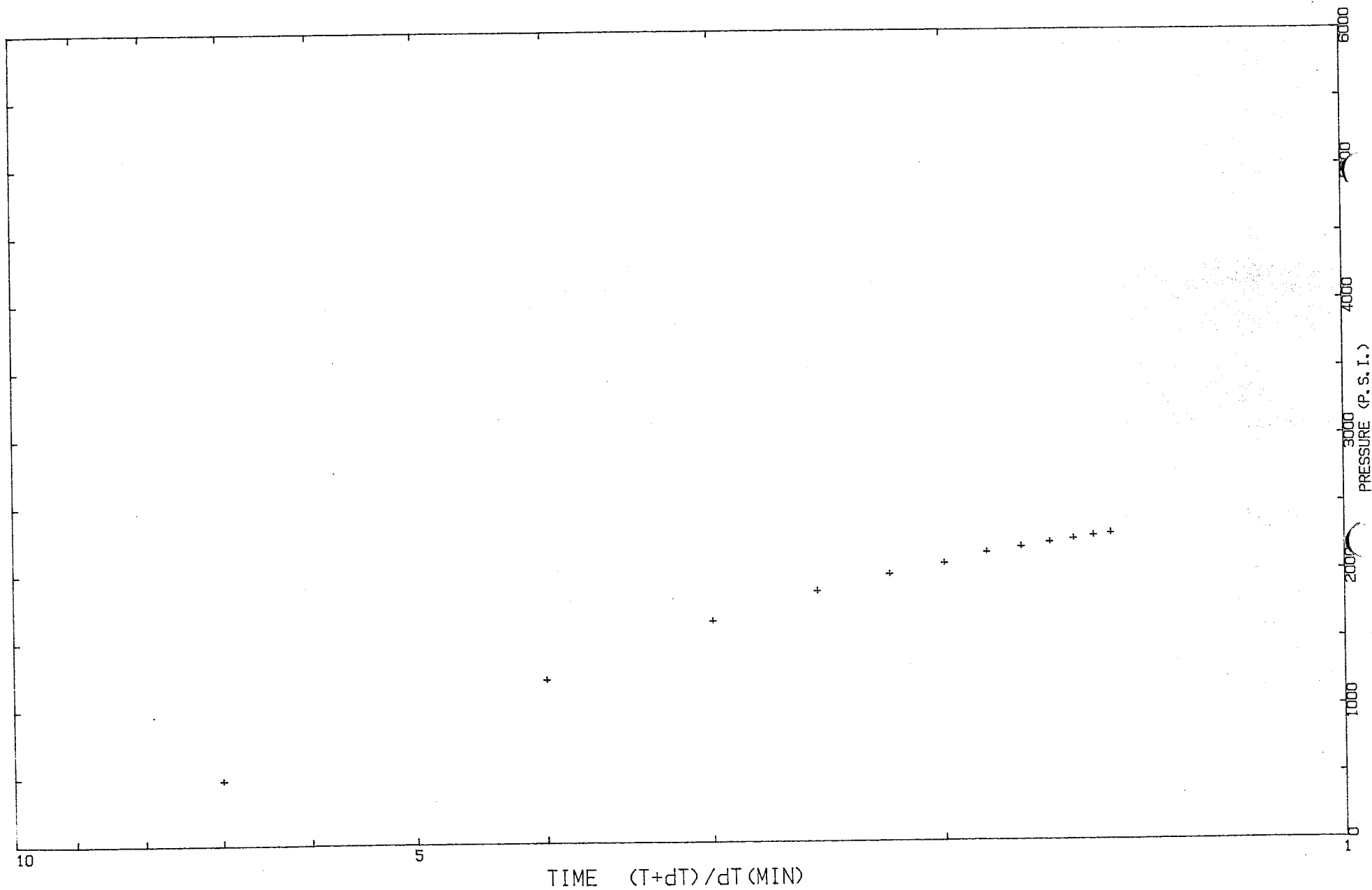
* VALUES USED FOR EXTRAPOLATIONS

2nd SHUT-IN
 HORNER EXTRAPOLATION 2394.11 PSI
 HORNER SLOPE 486.19 psi/cycle

OPERATOR: QUINTANA PETROLEUM
WELL NAME: DEADMAN CANYON FEDERAL #3-20
LOCATION: 20-37S-24E
FIRST SHUT-IN
RECORDER: 7661

DST #: 1

DEPTH: 5850 ft.



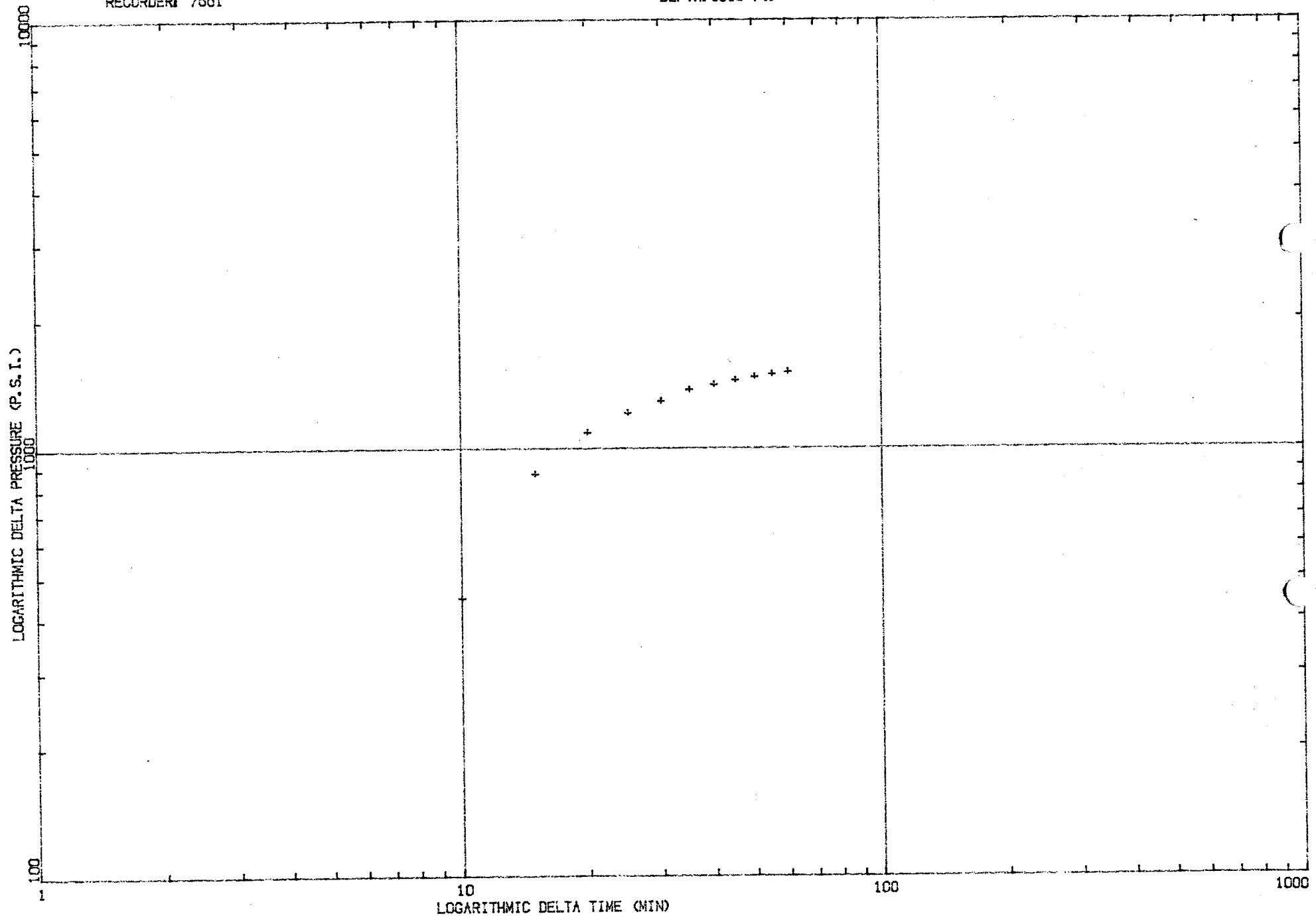
OPERATOR: QUINTANA PETROLEUM
LOCATION: 20-97S-24E
RECORDER: 7861

WELL NAME: DEADMAN CANYON FEDERAL #3-20

DST #: 1

DEPTH: 5850 ft.

FIRST SHUT-IN



OPERATOR: QUINTANA PETROLEUM

WELL NAME: DEADMAN CANYON FEDERAL #3-20

LOCATION: 20-37S-24E

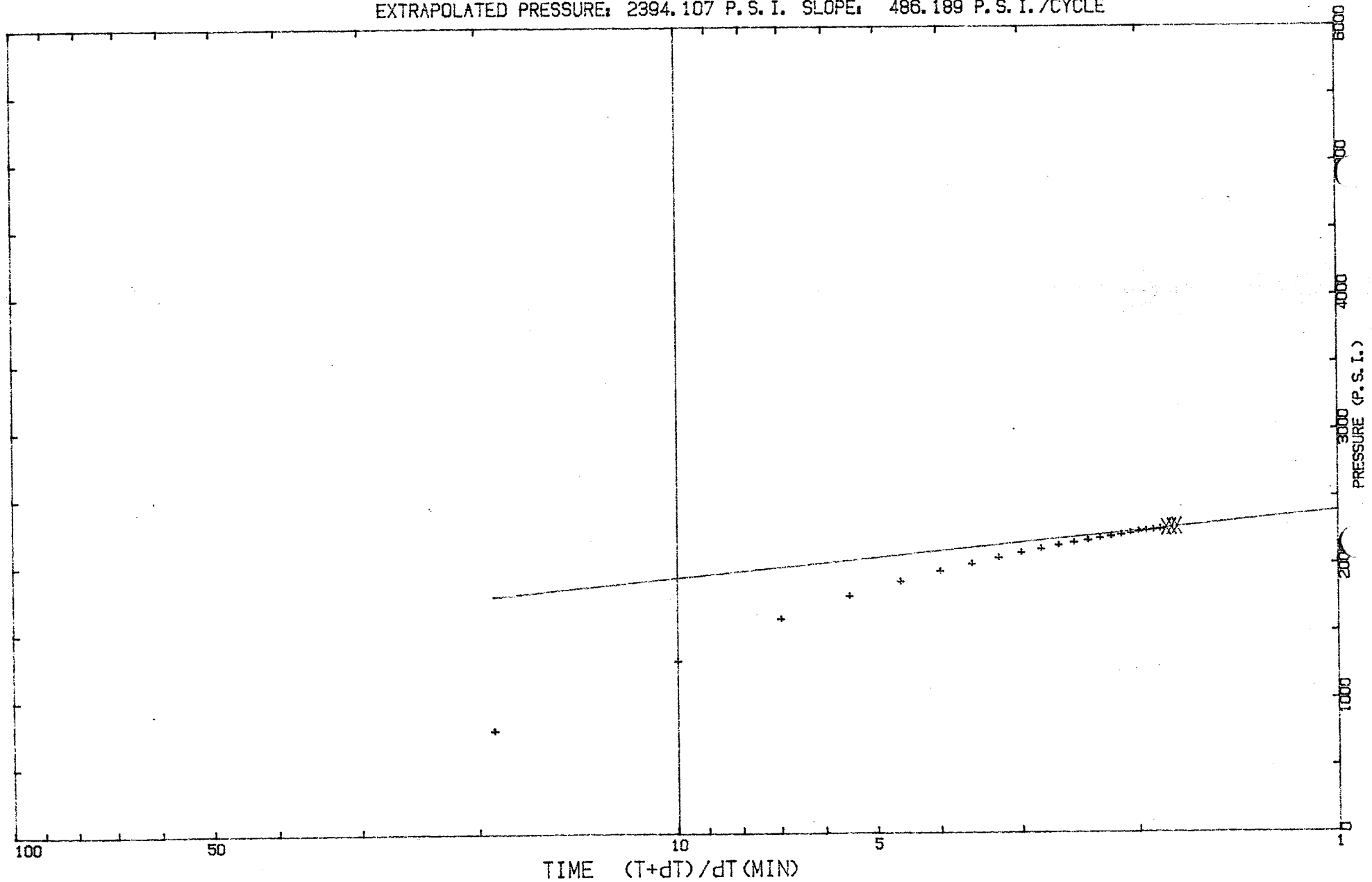
DST #: 1

SECOND SHUT-IN

RECORDER: 7661

DEPTH: 5850 ft.

EXTRAPOLATED PRESSURE: 2394.107 P. S. I. SLOPE: 486.189 P. S. I. /CYCLE



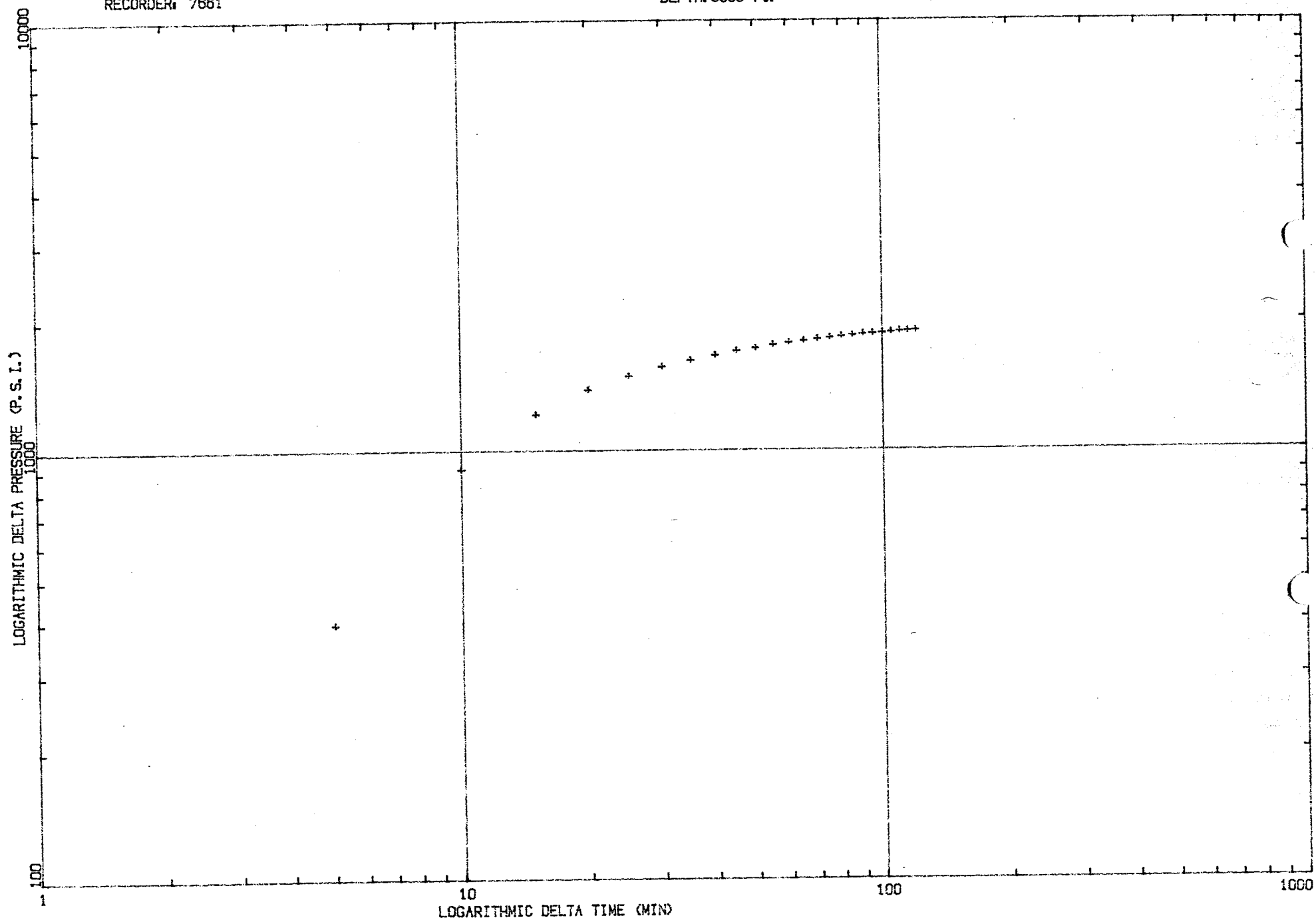
OPERATOR: QUINTANA PETROLEUM
LOCATION: 20-37S-24E
RECORDER: 7661

WELL NAME: DEADMAN CANYON FEDERAL #3-20

DST #: 1

DEPTH: 5850 ft.

SECOND SHUT-IN



LOT#: 1
DEADMAN CANYON FEDERAL #3-20
5874 - 5924ft.

Location: 20-37S-24E
Test Type: BOTTOM HOLE CONVENTIONAL
Formation: UPPER ISMAY

Recorder Number: 7661
Recorder Depth: 5850 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2100	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	190	psig
Where sampler was drained...	on location	

Sampler contained:

Water	1000	cc
Mud	1000	cc

RESISTIVITY DATA:

Top.....	3000 PPM NACL
Middle.....	6000 PPM NACL
Bottom.....	80 000 PPM NACL
Sampler.....	80 000 PPM NACL
Mud pit.....	6000 PPM NACL
Make-up Water...	6000 PPM NACL

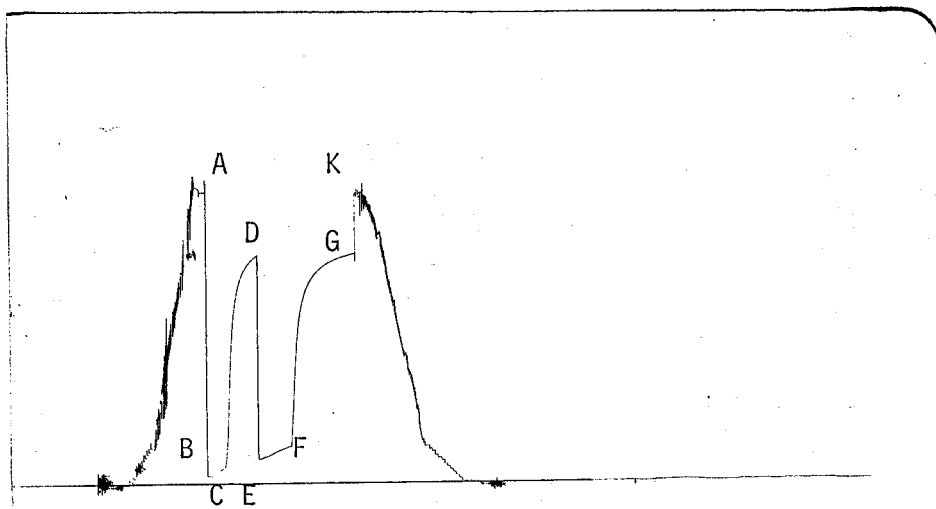
ST#: 1

DEADMAN CANYON FEDERAL #3-20
5874 - 5924ft.

PRESSURE RECORDER NUMBER : 24645

DEPTH : 5894.00ft.
TYPE : K-3LOCATION : INSIDE
CAPACITY : 4450.00psiPRESSURE
psi

A)Initial Hydro : 2894.0
 B)1st Flow Start: 101.0
 C)1st Flow End : 188.0
 D)END 1st Shutin: 2269.0
 E)2nd Flow Start: 269.0
 F)2nd Flow End : 397.0
 G)END 2nd Shutin: 2284.0
 Q)Final Hydro. : 2877.0

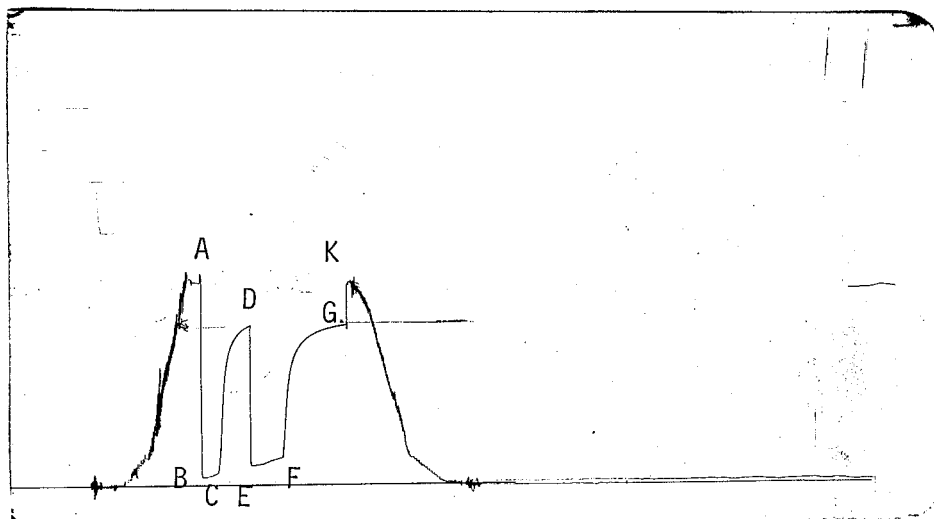


TEST TIMES(MIN)
 1st FLOW : 30
 SHUTIN: 60
 2nd FLOW : 60
 SHUTIN: 120

PRESSURE RECORDER NUMBER : 24519

DEPTH : 5921.00ft.
TYPE : K-3LOCATION : OUTSIDE
CAPACITY : 6650.00psiPRESSURE
psi

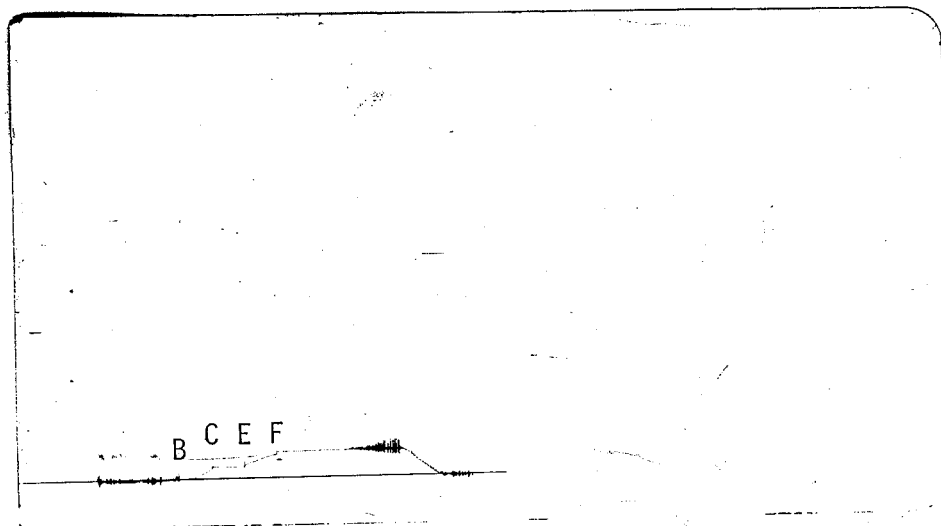
A)Initial Hydro : 2900.0
 B)1st Flow Start: 118.0
 C)1st Flow End : 179.0
 D)END 1st Shutin: 2277.0
 E)2nd Flow Start: 289.0
 F)2nd Flow End : 397.0
 G)END 2nd Shutin: 2285.0
 Q)Final Hydro. : 2870.0



TEST#: 1

DEADMAN CANYON FEDERAL #3-20
5874 - 5924ft.

PRESSURE RECORDER NUMBER : 24552

DEPTH : 5850.00ft.
TYPE : K-3LOCATION : INSIDE
CAPACITY : 6625.00psiPRESSURE
psiB)1st Flow Start: 14.0
C)1st Flow End : 170.0
E)2nd Flow Start: 195.0
F)2nd Flow End : 338.0TEST TIMES(MIN)
1st FLOW : 30
SHUTIN: 60
2nd FLOW : 60
SHUTIN: 120

RECEIVED

MAR 05 1987

DIVISION OF
OIL, GAS & MINING

030303

DEADMAN CANYON #3-20

QUINTANA PETROLEUM CORPORATION
Sec 20, T37S, R24E
SAN JUAN COUNTY, UTAH

TABLE OF CONTENTS

DEADMAN CANYON #3-20
Sec 20, T37S, R24E
SAN JUAN COUNTY, UTAH

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DAILY DRILLING SUMMARY

<u>1987</u> <u>DATE</u>	<u>DEPTH</u>	<u>PROGRESS</u>	<u>HOURS</u> <u>DRILLING</u>	<u>MUD</u> <u>WEIGHT</u>	<u>VISC.</u>	<u>W.L.</u>	<u>PH</u>	<u>ACTIVITY</u>
2-01	4417'	995'	23	WATER				DRILLING
2-02	5052'	635'	18 1/4	WATER				DRILLING
2-03	5380'	328'	17 1/2	8.7	35	13.8		DRILLING
2-04	5680'	300'	23 1/4	9.2	35	9.8		DRILLING
2-05	5924'	244'	19 1/4	9.6	36	8.0		D.S.T. #1
2-06	6008'	79'	5 1/2	9.6	42	9.0		TRIP OUT FOR BIT
2-07	6008'	0	0	9.6	44	9.0		WORK ON RIG
2-08	6163'	155'	15	9.6	44	10.0		DRILLING
2-09	6205'	42'	2 3/4	9.6	42	10.0		E-LOGS
2-10	6205'	0	0	9.6	42	9.8		D.S.T. #2

WELL DATA SUMMARY

WELL NAME: DEADMAN CANYON #3-20

OPERATOR: QUINTANA PETROLEUM CORPORATION

LOCATION: 2380 FNL and 2180 FWL, Sec 20, T37S, R24E

COUNTY: SAN JUAN

STATE: UTAH

AREA: CAVE CANYON

DRILLING CONTRACTOR: COLEMAN DRILLING RIG #3

DRILLING ENGINEER: RAY KOEHN

WELL SITE GEOLOGY: DOUG REDMOND

ELEVATION: GL 5646'
KB 5660'

DEPTH LOGGED: 4700-6205'

DATE LOGGED: 2-01-87 to 2-10-87

TOTAL DEPTH: DRILLERS 6205', LOGGERS 6208'

HOLE SIZE: 12 1/4" to 2001', 8 3/4" to 6208'

CASING PROGRAM: SURFACE CASING 9 5/8" to 2001'

D.S.T. LYNES, BAKER SERVICE TOOLS

MUDLOGGING COMPANY: INTERMOUNTAIN GEO-TECH

MECHANICAL LOGS: SCHLUMBERGER

WELL STATUS: PLUGGED AND ABANDONED

FORMATION TOPS

ELEVATION: GL 5646
KB 5660

<u>FORMATION</u>	<u>ESTIMATED TOP</u>	<u>E-LOG</u>	<u>SUBSEA</u>
HONAKER TRAIL	4730'	4702'	+ 958
UPPER ISMAY	5820'	5827'	- 167
HOVENWEEP SHALE	5960'	5963'	- 303
LOWER ISMAY	6006'	6006'	- 346
GOTHIC SHALE	6055'	6056'	- 396
DESERT CREEK	6088'	6085'	- 425
CHIMNEY ROCK SHALE	6169'	6170'	- 510
AKAH	6185'		

DEVIATION SURVEY

<u>DEPTH</u>	<u>SURVEY</u>	<u>CHANGE</u>
4524'	$3/4^{\circ}$	
5024'	$3/4^{\circ}$	0
5518'	2°	$+1\ 1/4^{\circ}$
5930'	$2\ 1/2^{\circ}$	$+1/2^{\circ}$
6006'	$2\ 1/4^{\circ}$	$-1/4^{\circ}$

BIT RECORD

OIL CO.: QUINTANA PETROLEUM CORPORATION WELL NAME: DEADMAN CANYON LOCATION NO.: 3-20

CONTRACTOR: COLEMAN RIG #: 3 AREA: CAVE CANYON COUNTY: SAN JUAN

RIG MAKE & MODEL: IDECO SURF CSG: 9 5/8" to 2001' INT. CSG: _____ PROD CSG: _____

NO. 1 PUMP, MAKE & MODEL: IDECO 550 SPUD DATE: 1-26-87

NO. 2 PUMP, MAKE & MODEL: IDECO 550 T.D. DATE: 2-08-87

[illegible]

SHOW REPORTWELL NAME: DEADMAN CANYON #3-20AREA: CAVE CANYON COUNTY: SAN JUAN STATE: UTAHSHOW No.: 1FOOTAGE - from 5877' to 5924' Net ftg 47'

	DT	TOTAL GAS	CHROMATOGRAPH BREAKDOWN					other
			C ₁	C ₂	C ₃	C _{4I}	C _{4N}	
BEFORE	4.5	20	0.08	0.08	0.04			
DURING	0.5-1.5	320	0.7	0.4	0.15	TR		
AFTER	0.5-1.5	34	0.2	0.08	0.06	TR		

LITHOLOGY TYPE & DESCRIPTION: Dolomite mbrn-ltgy, cryptxln, vf micxln, anhy fill,
earthy, v sucx ip, fri, frm

POROSITY Est.: None visible (possibly good sucx Ø)

STAIN DESCRIPTION: TR of dkbrn-blk stn

FLUORESCENCE and CUT DESCRIPTION: Bri yel-blu to dull gold

REMARKS: At 5924, it is sub-sea level to tight streak in 1-20 at 5848'

SHOW REPORT

WELL NAME: DEADMAN CANYON #3-20

AREA: CAVE CANYON COUNTY: SAN JUAN STATE: UTAH

SHOW No.: 2

FOOTAGE - from 6146' to 6156' Net ftg 10'

CHROMATOGRAPH BREAKDOWN								
	DT	TOTAL GAS	C ₁	C ₂	C ₃	C _{4I}	C _{4N}	other
BEFORE	6	80	0.44	0.22	0.08			
DURING	1.5-4	640	5.79%	3.02%	0.74%			
AFTER	6	215	1.45	0.76	0.19			

LITHOLOGY TYPE & DESCRIPTION: Dolomite lt-mgy, cryptxln-vfmicxln, anhy, limy,
pyr, earthy, sucr ip, tt, dns, mhd

POROSITY Est.: None visible

STAIN DESCRIPTION: None visible

FLUORESCENCE and CUT DESCRIPTION: Tr dull green, no visible cut

REMARKS: _____

DRILL STEM TEST REPORTWELL NAME: DEADMAN CANYON #3-20 DATE: 2-05-87AREA: CAVE CANYON COUNTY: SAN JUAN STATE: UTAHWITNESS: KOEHNTEST NUMBER: 1 INTERVAL TESTED: 5874-5924'TEST COMPANY AND TYPE OF TEST: BAKER SERVICE TOOLS, LYNES TESTERSINITIAL FLOW: Open tool with 1" blow, 2" in 2 min., 4" in 5 min., 9" in 10 min.,
11" in 15 min., close tool with 13" blow, NGTS.FINAL FLOW: Open tool with 1" blow, 2" in 5 min., 3" in 10 min., 4" in 20 min.,
6" in 30 min., 9" in 45 min., 12" in 60 min.

	TIME	TOP CHART	BOTTOM CHART	
IH:		<u>2959</u>	<u>2915</u>	BHT: <u>134 °</u>
IF:	<u>30</u>	<u>82-164</u>	<u>82-192</u>	
ISI:	<u>60</u>	<u>2307</u>	<u>2310</u>	
FF:	<u>60</u>	<u>246-376</u>	<u>260-385</u>	
FSI:	<u>120</u>	<u>2296</u>	<u>2300</u>	
FH:		<u>2898</u>	<u>2900</u>	

RECOVERY: 550' of drilling mud, 250' muddy salt water, bottom sample Rw 0.1
at 65°, 70,000 ppm.SAMPLE CHAMBER: TR cfg and 1000cc water and 1000cc mud at 190 PSIRESISTIVITIES: Sampler Rw 0.1 at 65°, 70,000 ppmREMARKS: Good test

DRILL STEM TEST REPORTWELL NAME: DEADMAN CANYON #3-20 DATE: 2-10-87AREA: CAVE CANYON COUNTY: SAN JUAN STATE: UTAHWITNESS: KOEHN, REDMONDTEST NUMBER: 2 INTERVAL TESTED: 6105-6205'TEST COMPANY AND TYPE OF TEST: BAKER SERVICE TOOLS(LYNES), CONVENTIONALDOUBLE PACKERINITIAL FLOW: Open tool with 2" blow, E.O.B. in 1 min., 1# in 5 min., 5# in 10 min., 4 1/2# in 20 min., shut in with 5 1/2#, N.G.T.S.FINAL FLOW: Open tool with 1#, 5# in 1 min., 7# in 5 min., remained at 5# through remainder of final flow. Shut tool in, G.T.S. 5 min. into FSI

	TIME	TOP CHART	BOTTOM CHART	
IH:		<u>3062</u>	<u>3064</u>	BHT: <u>140</u> °
IF:	<u>30</u>	<u>102-123</u>	<u>110-137</u>	
ISI:	<u>60</u>	<u>594</u>	<u>600</u>	
FF:	<u>60</u>	<u>123-143</u>	<u>137-165</u>	
FSI:	<u>120</u>	<u>1206</u>	<u>1210</u>	
FH:		<u>3041</u>	<u>3050</u>	

RECOVERY: 150' slightly gas cut mudSAMPLE CHAMBER: TR cfg and 1800 cc mud at 60 PSIRESISTIVITIES: Top sample Rw 2 at 65° 1770 ppm cl, middle sample Rw 2 at 65° 1770 ppm cl, bottom sample 2 at 65° 1770 ppm clREMARKS: Good Test

GEOLOGIC SUMMARY

The Deadman Canyon 3-20 offset the 1-20 discovery well 40 acres to the northwest. Surface casing was set to 2001 feet in the top of the Chinle Formation. The well was drilled to 5000 feet, with fresh water. To facilitate drilling and protect the hole, a fresh water gel mud was used from 5600 feet to total depth.

The well was evaluated by a continuous two man mud logging unit from +700 feet to TD. All mud gas increases were logged, and drill stem tests were run. Electric logs included a dual induction log, three types of porosity logs (the neutron, density, and acoustic), and both structural and stratigraphic dipmeter.

HERMOSA: 4702' - 5827'

Well evaluation began near this top at 4700'. Massively interbedded gray limestones, marlstones, and dark gray shales became prominent following the continental sandstones and siltstones from the Cutler red beds above. The limestones were dense and hard throughout the interval, and no shows of economic importance were found. One interesting note, however, was the fact that in the lower 500 feet, the logging unit total gas line was quite a lot lower here than either the 1-20 or the 2-20. Certainly the shales found here were not as carbonaceous and gaseous as the others in the lower Honaker Trail.

UPPER ISMAY: 5827' - 5963'

The major objective's top was picked easily by a gray limestone, followed by anhydrite present in the cuttings samples. With plans to core the productive interval, the drilling rate was carefully watched to pick a core point at the top of a porosity interval. However, as proven later, the entire porous upper interval had been replaced by a combination of shale, tight dolomite, and anhydrites down to 5984 feet. A core was not taken. The lower carbonate was entirely dolomite and dolomitized limestone. It was brown, very finely microcrystalline, earthy, and tight. The fluorescence was very weak and hard to see, indicating a wet interval. This was later proven by D.S.T. #1, which recovered a significant amount of formation water from the tight interval. It was obvious that the Upper Ismay had changed drastically and wouldn't be productive.

HOVENWEEP SHALE AND LOWER ISMAY: 5963' - 6056'

The Hovenweep Shale was black, carbonaceous, and fissile. It made up the interval from 5963' to 6006'. The Lower Ismay was comprised of interbedded massive anhydrite and carbonates deposited during the cyclic process characteristic of this area. No porosity or hydrocarbon shows were seen in this zone.

GOTHIC SHALE AND DESERT CREEK: 6056' - 6170'

The Gothic Shale was black, carbonaceous, and similar to the Hovenweep. At 6085', the Desert Creek top was picked. A 5 foot drilling break produced a mud gas increase. The samples were described as a dolomitic siltstone and

and a marly dolomite. This was followed by massively interbedded anhydrites and a dolomitic marlstone. At 6150' to 6164', a drilling break was encountered. It was a dolomite, described as brown, very finely micro-crystalline, earthy, and tight. No visible porosity was found, although the interval produced a decent mud gas show. It has some dull green fluorescence and weak diffuse cut. Drilling continued to total depth and the well was logged. Log evaluation shows an interval of good density porosity, and D.S.T. #2 was run over it. It was very tight, however it did produce some dry gas. Considering this, and comparing the subsea elevations and facies changes with the other wells, there may be a Desert Creek play nearby.

CHIMNEY ROCK SHALE AND AKAH: 6170' to TD

The Chimney Rock Shale was black, organic, and soft. At 6185', the Akah top came in with limestone and dolomite. No shows were logged here. The well was TD before reaching the Paradox Salt.

SAMPLE DESCRIPTIONS

4700-4880		Very Poor Sample, predominately cavings
	70%	<u>Shale</u> - medium brown, red, calcareous, silty, micaceous, fissile, firm
	30%	<u>Limestone</u> - medium gray, light gray, tan, cryptocrystalline, dense, firm, medium hard
4880-4940		Very Poor Sample
	70%	<u>Limestone</u> - white, tan, light gray, cryptocrystalline, occasionally very finely microcrystalline, slightly argillaceous and marly, dense, medium hard
	30%	<u>Shale</u> - medium brown, medium to dark gray, red, calcareous, micaceous, firm, blocky
4940-4970		Very Poor Sample
	90%	<u>Limestone</u> - as above
	10%	<u>Shale</u> - as above
4970-5030		Very Poor Sample
	70%	<u>Limestone</u> - medium gray, light gray, white, tan, cryptocrystalline, argillaceous, sandy in part, dense, tight, medium hard
	30%	<u>Shale</u> - medium gray, calcareous to marly, silty, blocky, medium hard, firm
5030-5060		Very Poor Sample
	50%	<u>Shale</u> - dark gray, calcareous, silty, blocky, medium hard, firm
	50%	<u>Limestone</u> - as above
5060-5090		Samples Improved
	80%	<u>Shale</u> - dark gray, medium gray, dark brown to gray, calcareous, graded to marlstone in part, micaceous, silty, firm, medium hard
	20%	<u>Limestone</u> - light gray, white, medium gray, cryptocrystalline, very finely micaceous, chalky, argillaceous, dense, firm, medium hard
5090-5120	100%	<u>Shale</u> - as above, some very micaceous, graded to siltstone Trace Pyrite
5120-5150		Sample Quality Improved
	80%	<u>Limestone</u> - white, light gray, tan, cryptocrystalline, occasionally very finely microcrystalline, siliceous, lithic, some very fine mica included, pyritic, chalky, dense, medium hard, firm
	20%	<u>Shale</u> - dark gray, calcareous, silty, graded to marlstone, blocky, medium hard
5150-5180	90%	<u>Shale</u> - medium to dark gray, calcareous, silty, blocky, slightly fissile, firm
	10%	<u>Limestone</u> - as above
5180-5210	80%	<u>Limestone</u> - white, light gray, tan, cryptocrystalline, very finely microcrystalline, slightly siliceous, very finely micaceous in part, chalky in part, firm, medium hard, dense
	20%	<u>Shale</u> - as above, medium gray, graded to marlstone

5210-5240	60%	<u>Limestone</u> - as above, medium gray, increased shale content
	40%	<u>Shale</u> - medium to dark gray, marly, pyritic, silty, blocky, medium hard
5240-5270	90%	<u>Shale</u> - as above
	10%	<u>Limestone</u> - as above
5270-5300	90%	<u>Limestone</u> - medium gray, white, light gray, cryptocrystalline, slightly marly, sandy, slightly siliceous in part, dense, medium hard, hard
	10%	<u>Shale</u> - as above
5300-5330	60%	<u>Shale</u> - medium to dark gray, calcareous to very marly, micaceous, silty, blocky, medium hard
	40%	<u>Limestone</u> - medium gray, light gray, cryptocrystalline, graded to marlstone, firm, medium hard
5330-5360	80%	<u>Limestone</u> - light to medium gray, tan, cryptocrystalline, argillaceous in part, very siliceous, dense, medium hard to hard
	20%	<u>Chert</u> - dark brown, tan, slightly calcareous in part
5360-5420	70%	<u>Limestone</u> - light to medium gray, cryptocrystalline, very finely micaceous, argillaceous, marly in part, micaceous, dense, firm, medium hard
	30%	<u>Shale</u> - dark gray, medium gray, calcareous, marly, silty, slightly micaceous, blocky, medium hard
5420-5450	70%	<u>Limestone</u> - white, light gray, medium gray, cryptocrystalline, very finely microcrystalline, sandy, dense, medium hard
	20%	<u>Shale</u> - as above
	10%	<u>Sandstone</u> - white, light gray, very fine grain, calcareous, micaceous, friable, tight, firm, medium hard
5450-5480	80%	<u>Limestone</u> - white, tan, light to medium gray, cryptocrystalline, very finely microcrystalline, siliceous, chalky in part, dense, firm, medium hard to very hard
	10%	<u>Chert</u> - tan, medium gray, translucent
	10%	<u>Shale</u> - as above
5480-5510	90%	<u>Shale</u> - dark gray, medium gray, calcareous to marly, silty, blocky, firm, medium hard
	10%	<u>Limestone</u> - light gray, white, cryptocrystalline, chalky, firm
5510-5540	90%	<u>Limestone</u> - medium gray, cryptocrystalline, very finely microcrystalline, argillaceous, very marly, slightly dolomitic, dense, firm, medium hard
	10%	<u>Shale</u> - as above
5540-5570	90%	<u>Shale</u> - dark gray, medium gray, very calcareous and marly, silty, blocky, medium hard, firm
	10%	<u>Limestone</u> - as above
5570-5600	70%	<u>Shale</u> - as above, graded to marlstone
	30%	<u>Limestone</u> - as above
5600-5630	70%	<u>Limestone</u> - medium gray, light gray, cryptocrystalline, occasionally very finely microcrystalline, argillaceous and very marly, dense, medium hard to hard

5600-5630 (continued)	30%	<u>Shale</u> - dark gray, calcareous to marly, silty, slightly micaceous, firm, medium hard
5630-5660	90%	<u>Limestone</u> - medium gray, tan, light gray, cryptocrystalline, lithic, pyritic, siliceous in part, argillaceous, marly, dense, medium hard, firm
	10%	<u>Shale</u> - as above
5660-5690	100%	<u>Limestone</u> - light to medium gray brown, cryptocrystalline, very finely microcrystalline, marly in part, slightly micaceous, dense, firm, medium hard
5690-5700	50%	<u>Shale</u> - dark gray, medium gray, calcareous, marly, slightly fissile, blocky, medium hard
	50%	<u>Limestone</u> - medium gray, dark gray, cryptocrystalline, very marly, dense, medium hard
5700-5710	90%	<u>Shale</u> - dark gray, calcareous, slightly marly, occasionally very finely micaceous, slightly siliceous, medium hard, hard
	10%	<u>Limestone</u> - as above
5710-5730	70%	<u>Limestone</u> - white, light gray, tan, medium gray, cryptocrystalline, very finely microcrystalline, siliceous, recrystallized, dense, hard, medium hard
	30%	<u>Shale</u> - as above, becoming very marly
5730-5740	80%	<u>Limestone</u> - white, tan, light gray, cryptocrystalline, chalky in part, siliceous in part, slightly dolomitic, dense, medium hard
	20%	<u>Shale</u> - dark gray, calcareous, fissile, firm to medium hard
5740-5750	80%	<u>Limestone</u> - as above
	10%	<u>Shale</u> - as above
	10%	<u>Chert</u> - tan, opaque to translucent
5750-5770	90%	<u>Limestone</u> - white, light gray, tan, medium gray, cryptocrystalline, very finely microcrystalline, siliceous, argillaceous and chalky in part, dense, firm, medium hard
	10%	<u>Shale</u> - as above
		Trace Chert - tan, dark gray
5770-5780	80%	<u>Limestone</u> - medium gray, light gray, cryptocrystalline, very finely microcrystalline, argillaceous and marly, pyritic, recrystallized and slightly dolomitic, firm, medium hard, dense
	20%	<u>Shale</u> - dark gray to medium gray, very marly, blocky, hard
5780-5810	80%	<u>Limestone</u> - as above, medium gray, graded to marlstone
	20%	<u>Shale</u> - as above
5810-5820	60%	<u>Shale</u> - black, dark gray, calcareous, slightly carbonaceous, fissile, splintery, firm
	40%	<u>Limestone</u> - as above
5820-5830	50%	<u>Shale</u> - as above
	40%	<u>Anhydrite</u> - white, soft
	10%	<u>Limestone</u> - as above

5830-5840	50%	<u>Limestone</u> - medium gray, light gray, cryptocrystalline, very finely microcrystalline, very argillaceous, very marly, anhydritic, slightly siliceous, slightly dolomitic, dense, medium hard, hard
	40%	<u>Shale</u> - as above
	10%	<u>Anhydrite</u> - as above
5840-5850	50%	<u>Limestone</u> - light gray, white, cryptocrystalline, very finely microcrystalline, dolomitic, anhydritic, chalky, slightly marly in part, dense, firm, medium hard, NFSOC
	40%	<u>Dolomite</u> - light gray to tan, very finely microcrystalline, cryptocrystalline, recrystallized, anhydritic, dense, slightly friable, firm to medium hard
	10%	<u>Anhydrite</u> - as above
5850-5860	60%	<u>Dolomite</u> - medium gray, light gray to tan, cryptocrystalline, recrystallized, marly and shaly, anhydritic, dense, medium hard
	30%	<u>Anhydrite</u> - white, soft, slightly calcareous
	10%	<u>Shale</u> - dark gray, very dolomitic, medium hard, blocky
5860-5870	60%	<u>Anhydrite</u> - as above
	40%	<u>Dolomite</u> - medium brown, light gray, very finely microcrystalline, cryptocrystalline, recrystallized structure, very anhydritic, dense, medium hard
5870-5880	90%	<u>Dolomite</u> - medium brown, medium gray, cryptocrystalline to very finely microcrystalline, some medium microcrystalline, recrystallized, anhydritic, black laminations present, probably asphaltic staining or styolytes, dense, medium hard, trace light yellow-blue fluorescence
	10%	<u>Anhydrite</u> - as above
5880-5890	100%	<u>Dolomite</u> - as above, medium brown, anhydrite fill in fragments, dense, medium hard, NFSOC
5890-5910	90%	<u>Dolomite</u> - medium brown, medium gray, cryptocrystalline to very finely microcrystalline, recrystallized structure, some fossilized structure, argillaceous, friable, anhydritic, firm, medium hard, no visible \emptyset , scattered light yellow-blue fluorescence, very weak diffuse yellow cut
	10%	<u>Anhydrite</u> - as above Note: scattered pin point droplets of free oil were present on the wet, fresh sample
5910-5920	70%	<u>Dolomite</u> - light gray, medium gray to brown, cryptocrystalline, very finely microcrystalline, anhydritic, argillaceous in part, some sucrosic, slightly friable, tight, firm, medium hard, no visible \emptyset , scattered dull yellow-blue fluorescence, weak diffuse cut
	30%	<u>Anhydrite</u> - white, light gray, very dolomitic in part, pink color due to chemical treatment
5920-5930		No Sample; depth correction
5930-5940	70%	<u>Dolomite</u> - as above
	30%	<u>Anhydrite</u> - as above

5940-5950	90%	<u>Dolomite</u> - medium brown, light gray, very finely microcrystalline, cryptocrystalline, occasionally graded to limestone, predominately recrystallized and slightly sucrosic, anhydritic, tight, dense, firm to medium hard, NFSOC
	10%	<u>Anhydrite</u> - as above
5950-5960	50%	<u>Dolomite</u> - as above
	40%	<u>Limestone</u> - light gray, white, medium gray, cryptocrystalline, occasionally very finely microcrystalline, dolomitic, chalky, argillaceous, firm, dense
	10%	<u>Anhydrite</u> - white, soft
5960-5970	50%	<u>Shale</u> - dark gray, black, calcareous, carbonaceous, fissile, some blocky, firm, medium hard
	50%	<u>Limestone</u> - as above
5870-6000	100%	<u>Shale</u> - black, calcareous, very carbonaceous, silty, blocky to fissile, firm
6000-6010	90%	<u>Shale</u> - as above
	10%	<u>Limestone</u> - medium gray to brown, cryptocrystalline, marly and argillaceous, slightly dolomitic, dense, firm to medium hard
6010-6020	90%	<u>Limestone</u> - medium gray to brown, some light gray, tan, cryptocrystalline, very finely microcrystalline, argillaceous, anhydritic, trace fossiliferous, slightly dolomitic, dense, firm, medium hard
	10%	<u>Anhydrite</u> - white, calcareous, soft
6020-6040		Very Poor Sample
	80%	<u>Anhydrite</u> - white, soft
	10%	<u>Limestone</u> - as above
	10%	<u>Shale</u> - as above
6040-6050	60%	<u>Limestone</u> - medium gray to brown, cryptocrystalline, very finely microcrystalline, anhydritic in part, argillaceous, dolomitic, dense, medium hard, NFSOC
	20%	<u>Dolomite</u> - medium gray, cryptocrystalline, very finely microcrystalline, graded to limestone, recrystallized, anhydritic, firm, medium hard, dense
	20%	<u>Anhydrite</u> - as above
6050-6080	90%	<u>Shale</u> - black, brown to black, calcareous, carbonaceous, silty, fissile, soft to firm
	10%	<u>Limestone</u> - as above
6080-6090	60%	<u>Dolomite</u> - medium gray to brown, cryptocrystalline, very marly, silty, soft, firm
	40%	<u>Shale</u> - as above
		Trace Anhydrite
6090-6100		Very Poor Sample
	60%	<u>Dolomite</u> - as above
	20%	<u>Anhydrite</u> - white, soft, very calcareous
	20%	<u>Shale</u> - as above
6100-6110	50%	<u>Dolomite</u> - medium gray, light gray, cryptocrystalline, very finely microcrystalline, silty, very anhydritic, limy, dense, medium hard

6100-6110 (continued)	30%	<u>Shale</u> - dark gray, medium gray, dolomitic, silty, blocky, medium hard, firm
	20%	<u>Anhydrite</u> - white, soft, calcareous
6110-6120	70%	<u>Dolomite</u> - medium brown, very marly and argillaceous, graded to silty mudstone, dense, medium hard, firm
	30%	<u>Shale</u> - black, dark gray, dolomitic to calcareous, silty, fissile, firm to medium hard
6120-6130	90%	<u>Dolomite</u> - medium gray to brown, medium brown, light gray, cryptocrystalline, very finely microcrystalline, recrystallized, marly in part, some anhydritic, silty, slightly sucrosic, dense, firm, medium hard
	10%	<u>Shale</u> - as above
6130-6140		Very Poor Sample
	40%	<u>Shale</u> - as above
	30%	<u>Anhydrite</u> - white, soft, calcareous
	30%	<u>Dolomite</u> - as above
6140-6150	90%	<u>Dolomite</u> - light gray, medium gray, cryptocrystalline, very finely to medium microcrystalline, anhydritic, siliceous in part, recrystallized appearance, sucrosic in part, slightly friable, firm, medium hard to hard, no visible \emptyset , no stain, trace dull green fluorescence, no visible cut
	10%	<u>Anhydrite</u> - white, calcareous in part, soft Trace Chert - tan, translucent
6150-6160	100%	<u>Dolomite</u> - medium brown, medium gray to brown, cryptocrystalline to very finely microcrystalline, some medium microcrystalline, anhydritic, lithic, very recrystallized to dolomitic, sucrosic appearance, slightly friable, predominately tight appearance, no visible \emptyset , trace to 5% dull green fluorescence, no visible cut
6160-6170	70%	<u>Dolomite</u> - medium brown to gray, cryptocrystalline, very finely microcrystalline, marly, silty, dense, firm, medium hard
	30%	<u>Shale</u> - black, calcareous, carbonaceous, firm, soft
6170-6190	100%	<u>Shale</u> - as above Trace Dolomite
6190-6205	70%	<u>Dolomite</u> - medium gray to brown, cryptocrystalline, very finely microcrystalline, very silty, anhydritic in part, marly, medium hard, dense
	30%	<u>Shale</u> - as above

QUINTANA PETROLEUM CORPORATION

1050 SEVENTEENTH STREET
SUITE 400
DENVER, COLORADO 80265
(303) 628-9211

March 12, 1987

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1204

RE: Deadman Canyon Federal #3-20
Section 20, T37S-R24E
San Juan County, Utah

CONFIDENTIAL

Gentlemen:

Enclosed please find two copies of the Well Completion Report (Form 3160-4) submitted to the BLM. Please advise if this report is not sufficient for your records.

We request that this and all information received in your office on this well be held confidential. Thank you.

Very truly yours,



Jeannie Williams
Production Technician

/jw
enclosures

RECEIVED
MAR 16 1987

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U-57469 032020	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESRV. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
2. NAME OF OPERATOR QUINTANA PETROLEUM CORPORATION (303)628-9211		7. UNIT AGREEMENT NAME N/A	
3. ADDRESS OF OPERATOR 1050 - 17th Street, Suite 400, Denver, Colorado 80265		8. FARM OR LEASE NAME DEADMAN CANYON FEDERAL	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2380' FNL & 2180' FWL (SE NW) At top prod. interval reported below N/A At total depth Same		9. WELL NO. #3-20	
14. PERMIT NO. 43-037-31304		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 1/9/87		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 20, T37S-R24E	
15. DATE SPUDDED 5-26-87		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 2/8/87		13. STATE Utah	
17. DATE COMPL. (Ready to prod.) T.A. 2/11/87		19. ELEV. CASINGHEAD 5652' (5646')	
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5652' GR (5646' graded)		20. TOTAL DEPTH, MD & TVD 6205' MD	
21. PLUG, BACK T.D., MD & TVD N/A		22. IF MULTIPLE COMPL., HOW MANY* →	
23. INTERVALS DRILLED BY →		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN D/L/GR; CNL/LDT; BHC/Cal/GR; Dipmeter	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
Casing Size 9 5/8"		Weight, lb./ft. 36# & 40#	
Depth Set (MD) 2001.17'		Hole Size 12 1/4"	
Cementing Record 560 sxs Lite, 200 sxs "B" 118 cu.ft. down annulus		Amount Pulled None	
29. LINER RECORD		30. TUBING RECORD	
Size N/A		Size N/A	
Top (MD)		Depth Set (MD)	
Bottom (MD)		Packer Set (MD)	
Sacks Cement*		Cement	
Screen (MD)		N/A	
31. PERFORATION RECORD (Interval, size and number) None		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. PLUGS	
None		Depth Interval (MD) 6139'-6039' 5955'-5855' 2032'-1932'	
None		Amount and Kind of Material Used 40 sxs "B" neat 40 sxs "B" neat 50 sxs "B" neat	
33.* PRODUCTION			
Date First Production N/A - well temporarily abandoned		Production Method (Flowing, gas lift, pumping—size and type of pump) N/A - well temporarily abandoned	
Well Status (Producing or shut-in) N/A - well temporarily abandoned		Well Status (Producing or shut-in) N/A - well temporarily abandoned	
Date of Test		Hours Tested	
Choke Size		Prod'n. for Test Period	
Oil—BBL.		Gas—MCF.	
Water—BBL.		Gas-Oil Ratio	
Flow. Tubing Press.		Casing Pressure	
Calculated 24-Hour Rate		Oil—BBL.	
Gas—MCF.		Water—BBL.	
Oil Gravity-API (CORR.)		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)	
TEST WITNESSED BY		35. LIST OF ATTACHMENTS	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED <i>J. Williams</i>		TITLE Production Technician	
DATE 3/12/87		DATE 3/12/87	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION		TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	LOG TOPS		TRUE VERT. DEPTH
						MEAS. DEPTH	TOP	
DST #1: 5880'-5930' (Hovenweep formation)					Honaker Trail	4702'		
Times: 30/60/60/120					Upper Ismay	5827'		
IF: Opened w/1" blow, incr to 12" in 30 min., on ISIP blow died in 25 min.					Hovenweep Shale	5963'		
FF: Opened w/1" blow, incr to 12" in 60 min., on FSIP blow died in 10 min.					Lower Ismay	6006'		
IHP 2975					Gothic Shale	6056'		
FHP 2960					Desert Creek	6085'		
IFP 75-169					Chimney Rock Sh	6170'		
ISIP 2300								
FFP 245-389								
FSIP 2290								
BHP 134°F								
DP Recovery: 800' fluid; 550' mud; 250' muddy SW.								
Sampler: 200 cc capacity, 2000 cc recovered; 1000 cc mud, 1000 cc SW.								
DST #2: 6105'-6205' (Desert Ck. formation)								
IHP 3064								
FHP 3050								
IFP 110-137								
FFP 137-165								
ISIP 600								
FSIP 1210								
BHT 140°F								
DP recovery: 150' SGCM								
Sampler: 200 cc capacity; 1800 cc SGCM, 60 psi.								

GEOLOGIC MARKERS

38.

RECEIVED
MAR 16 1987

DIVISION OF
OIL, GAS & MINING

QUINTANA PETROLEUM CORPORATION

1050 SEVENTEENTH STREET
SUITE 400
DENVER, COLORADO 80265
(303) 628-9211

TA

March 16, 1987

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MAR 18 1987

Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, Utah 84532

DIVISION OF
OIL, GAS & MINING

RE: Deadman Canyon Federal #3-20
Section 20, T37S-R24E
San Juan County, Utah

CONFIDENTIAL

Gentlemen:

Per my conversation today with Carol Freudiger of your office, this letter will confirm the correction necessary on form 3160-4 (Well Completion Report and Log) for the subject well. The spud date should read "1/26/87" not "3/20/87".

Please advise if you require further details.

Very truly yours,

Jeannie Williams

Jeannie Williams
Production Technician

/jw

cc: State of Utah

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT for such proposals.

6. Lease Designation and Serial Number

UTU57469

7. Indian Allottee or Tribe Name

N/A

8. Unit or Communitization Agreement

UTU58818

1. Type of Well

☐

Oil Well

☒

Gas Well

☐ Other (specify)

2. Name of Operator

QUINTANA PETROLEUM CORPORATION

3. Address of Operator

1325 So. Colorado Blvd., Suite 411, Denver, CO

4. Telephone Number

(303)692-9559

11. Field and Pool, or Wildcat

Wildcat

5. Location of Well

Footage : 2380' FNL & 2180' FWL
Q.Q. Sec. T., R., M. : SE NW Section 20, T37S-R24E

County : Utah *San Juan*

State : UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

ANNUAL STATUS REPORT

In accordance with Utah Admin. R. 649-8-10, Quintana Petroleum Corporation reports that this well is still "temporarily abandoned". We anticipate side-tracking the well into the oil column and completing it as an oil producer.

RECEIVED

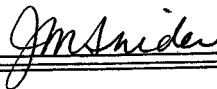
JAN 21 1993

DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name & Signature

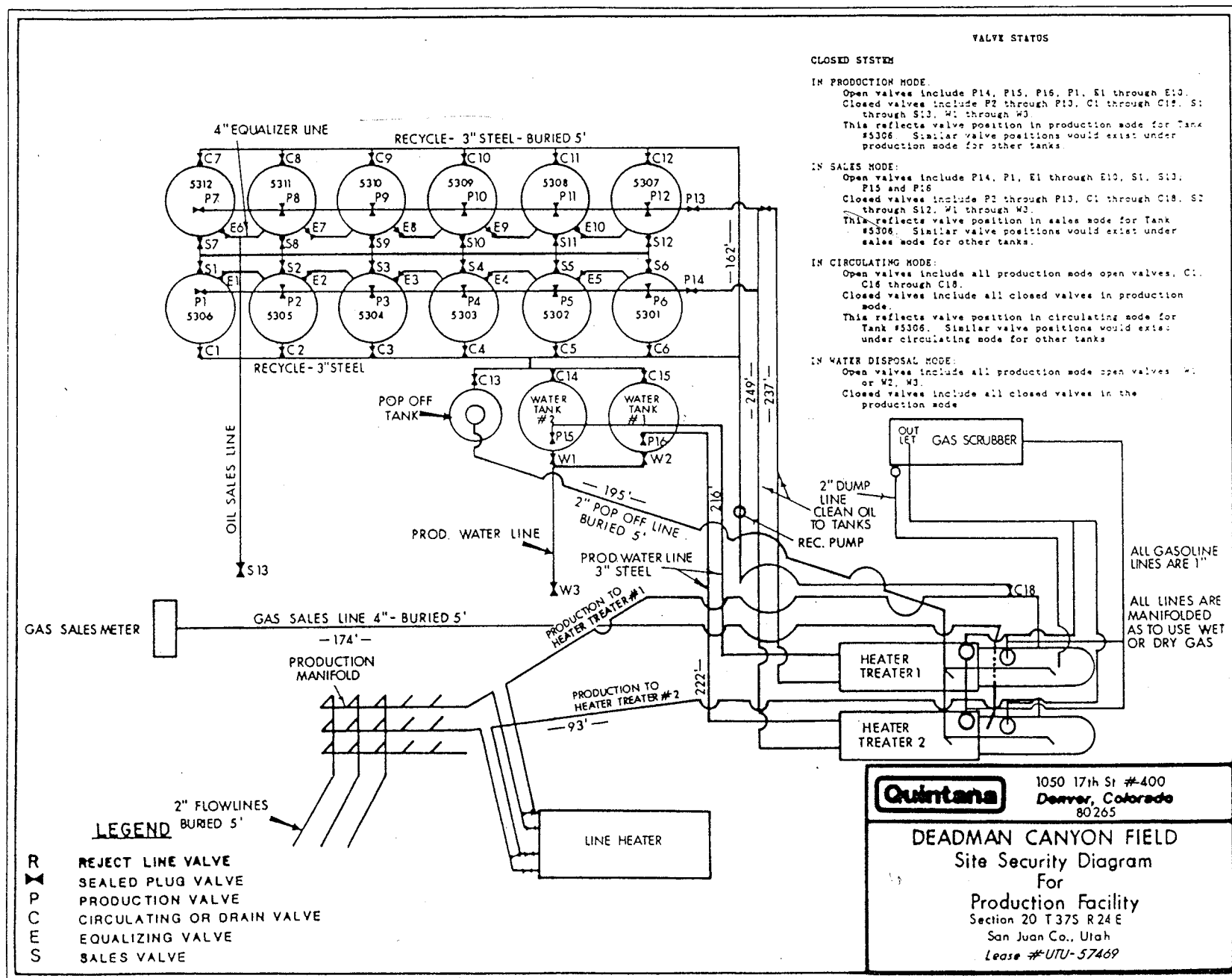
J. M. Snider



Title Production Tech

Date 1/19/93

(State Use Only)



Deadman Canyon Federal
 37 S 24 E Sec 20

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 1 of 1

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

JEANNIE SNIDER
 QUINTANA PETROLEUM CORP
 1325 S COLORADO BLVD B411
 DENVER CO 80222

UTAH ACCOUNT NUMBER: N9485REPORT PERIOD (MONTH/YEAR): 11 / 94AMENDED REPORT ☐ (Highlight Changes)

Well Name API Number Entity Location	Producing Zone	Well Status	Days Oper	Production Volumes		
				OIL(BBL)	GAS(MCF)	WATER(BBL)
NORTH CHAPITA FED. 1-36 4304731795 10745 08S 22E 36	MVRD			U-56960	(Badlands Unit)	BLm Apr. 1-25-95
LITTLE BONANZA 1-4 4304731854 10937 09S 24E 4	NESE WSTC			U-54017	(C.A. UTH 71692)	BLm Apr. 1-25-95
BADLANDS FEDERAL 1-31 4304731857 10960 08S 23E 31	MVRD			U-61401	(Badlands Unit)	BLm Apr. 1-25-95
CABALLO UNIT 1-15 4303731403 10994 36S 23E 15	ISMY			U-62953	(Caballo Unit)	"
DEADMAN CANYON FEDERAL #2-20 4303731303 11010 37S 24E 20	ISMY			U-57469	(Deadman Unit)	"
DEADMAN CANYON 3-20 4303731304 11010 37S 24E 20				U-57469	(Deadman Unit)	"
DEADMAN CANYON FED #1-28 4303731306 11010 37S 24E 28	ISMY			U-49678	(Deadman Unit)	"
BADLANDS FED #1-32 4304731869 11627 08S 23E 32	MVRD			U-56965	(Badlands Unit)	BLm Apr. 1-25-95
Deadman Cyn. 1-20 *4303731293 10696 37S 24E 20	ISMY / GIW			U-57469	(Deadman Unit)	"
TOTALS						

COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge.

Date: _____

Name and Signature: _____

Telephone Number: _____

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

KRISTI A STOVER
BALLARD & ASSOCIATES INC
518 17TH ST STE 400
DENVER CO 80202

UTAH ACCOUNT NUMBER: N0895

REPORT PERIOD (MONTH/YEAR): 3 / 97

AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
✓ NORTH CHAPITA FED. 1-36								
4304731795	10745	08S 22E 36	MVRD			456960	Badlands Unit	
✓ BADLANDS FEDERAL 1-31								
4304731857	10960	08S 23E 31	MVRD			461401	"	
✓ CABALLO UNIT 1-15								
4303731403	10994	36S 23E 15	ISMV			462953	Caballo Unit	
✓ DEADMAN CANYON FEDERAL 2-20								
4303731303	11010	37S 24E 20	ISMV			457469	Deadman (Upper Ismay) Unit	
✓ DEADMAN CANYON 3-20								
4303731304	11010	37S 24E 20				457469	"	
✓ DEADMAN CANYON FED 1-28								
4303731306	11010	37S 24E 28	ISMV			449678	"	
✓ BADLANDS FEDERAL 1-32								
4304731869	11627	08S 23E 32	MVRD			456965	Badlands Unit	
✓ Deadman (yn. Fed. 1-20								
4303731293	10696	37S 24E 20	ismv / Blw			457469	Deadman (Upper Ismay) Unit	
TOTALS								

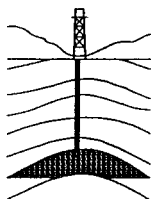
COMMENTS:

I hereby certify that this report is true and complete to the best of my knowledge. Date:

Name and Signature: Telephone Number:

BALLARD & ASSOCIATES, INC.

P. O. Box 20174
Billings, Montana 59104
(406) 259-8790



518 17th St., Suite #1180
Denver, Colorado 80202
(303) 595-8515

W. W. Ballard
President

H. J. Kagie
Vice President

December 29, 1994

State of Utah
Division of Oil, Gas & Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, UT 84180-1204

Re: Change of Operator

Dear Sir/Madam:

Enclosed please find Sundry Notices and Reports on Wells submitted to the Bureau of Land Management to change operator from Quintana Petroleum Corporation to Ballard & Associates, Inc.

If you require additional information please contact me at (303) 595-8515.

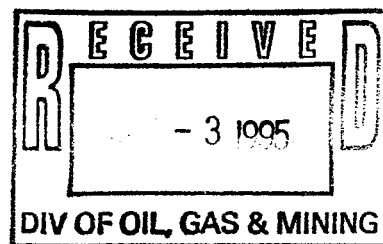
Sincerely,

A handwritten signature in cursive script, reading "Jodie Sundquist".

Jodie Sundquist
Production/Operation Technician

/jls

Enclosure



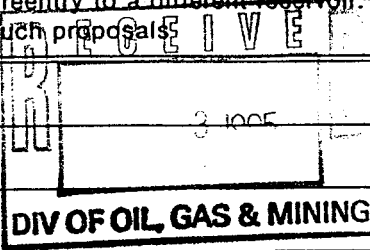
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.

SUBMIT IN TRIPLICATE



1. Type of Well

☐ Oil Well ☐ Gas Well ☒ Other TA

2. Name of Operator

Ballard & Associates

3. Address and Telephone No.

518 - 17th Street, Suite 1180, Denver, CO 80202 (303)595-8515

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2380' FNL & 2180' FWL
SE NW Section 20, T37S-R24E

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA. Agreement Designation

UTU58818A

8. Well Name and No.

DEADMAN CANYON FED. #3-20

9. API Well No.

43-037-31304

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan County, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other Change of Operator

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective 7:00 a.m. December 1, 1994, the Operator of this well will change from Quintana Petroleum Corporation to:

Ballard & Associates
518 - 17th Street, Suite 1180
Denver, Colorado 80202

Effective December 1, 1994, Ballard & Associates is responsible under the terms and conditions of the lease for operations conducted on the leased lands or a portion thereof under Bureau of Land Management Bond UT1005 issued by Norwest Bank Billings letter of credit.

Seller/Owner/Lessee Name: QUINTANA PETROLEUM CORPORATION

Date: December 7, 1994

Signed: [Signature]

cc: Utah DOGM

14. I hereby certify that the foregoing is true and correct

Signed [Signature]

Title Vice President Acquisitions

Date 12/19/94

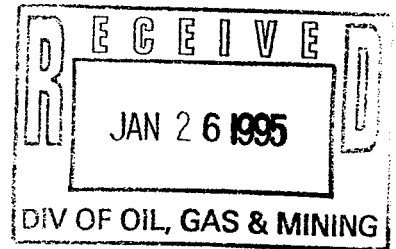
(This space for Federal or State office-use)

Approved by _____
Conditions of approval, if any:

Title _____

Date _____

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
UT-922

January 25, 1995

Ballard & Associates, Inc.
518 17th Street, Suite 1180
Denver, Colorado 80202

Re: Successor of Operator
Communitization Agreement (CA)
UTU71692
Uintah County, Utah

Gentlemen:

On January 23, 1995, we received an indenture dated December 1, 1994, whereby Quintana Petroleum Corporation resigned as Operator and Ballard & Associates, Inc. was designated as Successor Operator for CA UTU71692, Uintah County, Utah.

The instrument is hereby approved effective January 25, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under CA UTU71692.

Your statewide (Utah) oil and gas bond No. 1005 will be used to cover all operations within CA UTU71692.

It is requested that you notify all interested parties of the change in operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

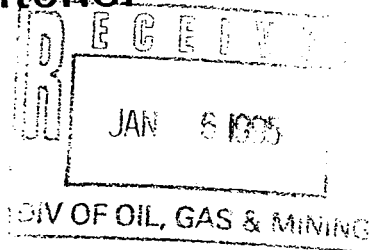
bcc: District Manager - Vernal (w/enclosure)
~~Division of Oil, Gas & Mining~~
File - CA UTU71692 (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:01-25-95

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
UT-922

January 25, 1995

Ballard & Associates, Inc.
518 17th Street, Suite 1180
Denver, Colorado 80202

Re: Deadman (Upper Ismay) Unit
San Juan County, Utah

Gentlemen:

On January 23, 1995, we received an indenture dated December 1, 1994, whereby Quintana Petroleum Corporation resigned as Unit Operator and Ballard & Associates, Inc. was designated as Successor Unit Operator for the Deadman (Upper Ismay) Unit, San Juan County, Utah.

The instrument is hereby approved effective January 25, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Deadman (Upper Ismay) Unit Agreement.

Your statewide (Utah) oil and gas bond No. 1005 will be used to cover all operations within the Deadman (Upper Ismay) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Branch of Mineral Leasing Adjudication
File - Deadman (Upper Ismay) Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

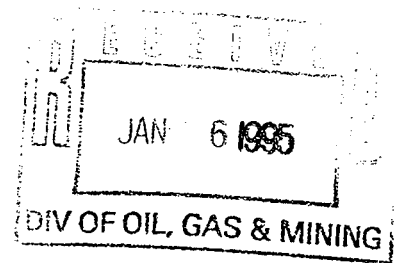
** INSPECTION ITEM UTU58818A

DEADMAN CANYON (UPPER ISMAY)

UTU58818A	430373129300S1	1-20	NWSE	20	37S	24E	GIW	UTU57469
UTU58818A	430373130600S1	1-28	NWNW	28	37S	24E	POW	UTU49678
UTU58818A	430373130300S1	2-20	SESE	20	37S	24E	POW	UTU57469
UTU58818A	430373130401S1	3-20 ST	SENW	20	37S	24E	TA	UTU57469

QUINTANA PETROLEUM CORPOR
QUINTANA PETROLEUM CORPOR
QUINTANA PETROLEUM CORPOR
QUINTANA PETROLEUM CORPOR

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
UT-922

January 25, 1995

Ballard & Associates, Inc.
518 17th Street, Suite 1180
Denver, Colorado 80202

Re: Caballo Unit
San Juan County, Utah

Gentlemen:

On January 23, 1995, we received an indenture dated December 1, 1994, whereby Quintana Petroleum Corporation resigned as Unit Operator and Ballard & Associates, Inc. was designated as Successor Unit Operator for the Caballo Unit, San Juan County, Utah.

The instrument is hereby approved effective January 25, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Caballo Unit Agreement.

Your statewide (Utah) oil and gas bond No. 1005 will be used to cover all operations within the Caballo Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

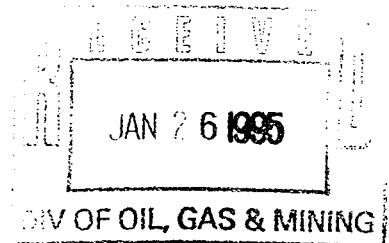
Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Branch of Mineral Leasing Adjudication
File - Caballo Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:01-25-95

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155



IN REPLY REFER TO:
UT-922

January 25, 1995

Ballard & Associates, Inc.
518 17th Street, Suite 1180
Denver, Colorado 80202

Re: Badlands Unit
Uintah County, Utah

Gentlemen:

On January 23, 1995, we received an indenture dated December 1, 1994, whereby Quintana Petroleum Corporation resigned as Unit Operator and Ballard & Associates, Inc. was designated as Successor Unit Operator for the Badlands Unit, Uintah County, Utah.

The instrument is hereby approved effective January 25, 1995. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Badlands Unit Agreement.

Your statewide (Utah) oil and gas bond No. 1005 will be used to cover all operations within the Badlands Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Branch of Mineral Leasing Adjudication
File - Badlands Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:01-25-95

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.
Initial each listed item when completed. Write N/A if item is not applicable.

1- REC	✓
2- LWP	7-PL
3- BTR	8-SJ
4- VLG	9-FILE
5- RJF	✓
6- LWP	

☒ Change of Operator (well sold) ☐ Designation of Agent
☐ Designation of Operator ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-1-94)

TO (new operator)	<u>BALLARD & ASSOCIATES INC</u>	FROM (former operator)	<u>QUINTANA PETROLEUM CORP</u>
(address)	<u>518 - 17TH ST STE 1180</u>	(address)	<u>1325 S COLORADO BLVD B411</u>
	<u>DENVER CO 80202</u>		<u>DENVER CO 80222</u>
	<u>JODIE SUNDQUIST</u>		<u>JEANNIE SNIDER</u>
phone	<u>(303) 595-8515</u>	phone	<u>(303) 629-9559</u>
account no.	<u>N 0895 (1-30-95)</u>	account no.	<u>N 9485</u>

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: <u>037-31364</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Lee 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). (Rec'd 1-3-95)
- Lee 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). (Rec'd 1-3-95)
- Lee 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes) If yes, show company file number: #172063
- Lee 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Lee 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (1-30-95)
- Lee 6. Cardex file has been updated for each well listed above. 2-9-95
- Lee 7. Well file labels have been updated for each well listed above. 2-9-95
- Lee 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (1-30-95)
- Lee 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Yes 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- Yes 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
- N/A
- ___ 2. A copy of this form has been placed in the new and former operators' bond files.
- ___ 3. The former operator has requested a release of liability from their bond (yes/no) _____. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- 2/9/95
2/9
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: February 21 1995

FILING

- ___ 1. Copies of all attachments to this form have been filed in each well file.
- ___ 2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

Btm Appr. eff. 1-25-95



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-20544 et al
(UT-932)

APR 7 1997

NOTICE

Ballard Petroleum LLC : Oil and Gas
1050 Seventeenth Street, Suite 2500 :
Denver, CO 80265 :

Mergers Recognized

Acceptable evidence has been filed in this office concerning the merger of Ballard Energy 1992 Limited Partnership into Ballard Energy (Delaware) LP. Subsequently, Ballard Energy (Delaware) LP was converted to Ballard Energy (Delaware) LLC. Finally, Ballard Energy (Delaware) LLC merged into Ballard Petroleum LLC with ~~Ballard Petroleum LLC~~ being the surviving entity.

For our purposes, the final merger is recognized effective March 20, 1997, the date of approval by the Delaware Secretary of State.

The following oil and gas lease and right-of-way files have been noted as to the merger.

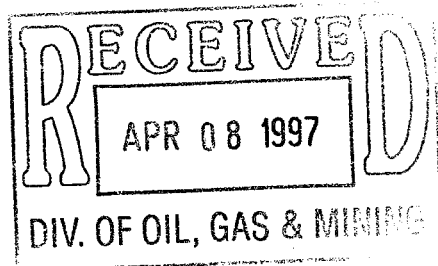
Deedman - U-20544	Deedman - U-57469	Ceballos - U-62953	U-62073 (ROW)
Deedman - U-49678	U-58726	UTU-64422	U-63959 (ROW)
U-54017	U-61400	UTU-65471	U-63980 (ROW)
Badlands - U-56960	Badlands - U-61401	UTU-65472	U-63996 (ROW)
Badlands - U-56965	U-62252	U-59127 (ROW)	UTU-65118 (ROW)

We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

The principal/obligor has already filed a rider changing the name on the statewide bond (BLM No. UT1005) to Ballard Petroleum LLC.

ROBERT LOPEZ

Group Leader,
Minerals Adjudication Group



cc: Moab District Office
Vernal Field Office
San Juan Resource Area
MMS-Reference Data Branch, MS 3130, Box 5860, Denver, CO 80217
State of Utah, DOGM, Attn: Lisha Cordova (Ste 1210), Box 145801, SLC, UT 84114-5801
John F. Meck, Attorney-at-Law, 1775 Sherman St., Ste. 1800, Denver, CO 80203

Return recorded cop.
to:
Welborn Sullivan Mc
& Tooley, P.C.
1775 Sherman Street
Suite 1800
Denver CO 80203

AFFIDAVIT OF CONVERSION AND MERGERS

STATE OF COLORADO)

CITY AND COUNTY OF DENVER)

) SS
)

KNOW ALL MEN BY THESE PRESENTS, on this date personally appeared before me H. J. Kagie, who, being first duly sworn, did depose and say:

1. I am Senior Vice President of Ballard and Associates, Inc., a Montana corporation (herein "BAI"), whose principal place of business is 845 12th Street West, Billings, Montana 59102. I am over the age of 18 years and have personal knowledge of all the matters set forth in this Affidavit.

2. BAI is sole Manager or sole General Partner of the following entities as set forth in the table:

<u>Name of Entity</u>	<u>Jurisdiction of Organization</u>	<u>Form of Entity</u>	<u>Manager or General Partner</u>
Ballard Petroleum LLC	Montana	limited liability company	Manager
Ballard Energy (Delaware) LLC	Delaware	limited liability company	Manager
Ballard Energy (Delaware) LP	Delaware	limited partnership	General Partner
Ballard Energy 1992 Limited Partnership	Montana	limited partnership	General Partner

3. Effective March 19, 1997, Ballard Energy 1992 Limited Partnership (herein "BELP") was merged with and into Ballard Energy (Delaware) LP (herein "Ballard Delaware" and, together with BELP, the "Constituent LP's"), pursuant to that certain Agreement and Plan of Merger dated March 19, 1997 among the Constituent LP's (the "LP Merger Agreement"), and Section 17-211 of the Delaware Revised Uniform Limited Partnership Act and Sections 35-10-641 through 643, inclusive, of the Montana Code Annotated (the "LP Merger"). The LP Merger Agreement was duly authorized, approved, executed and delivered by each LP Constituent in accordance with its governing documents and applicable law. Attached hereto as Exhibit A is a true and correct copy of the Certificate of Merger as filed in the Office of the Secretary of State, State of Delaware, at 2:30 p.m. on March 19, 1997, evidencing the LP Merger.

4. Effective March 19, 1997, Ballard Delaware was converted into Ballard Energy (Delaware) LLC (herein "Delaware LLC" and, together with Ballard Delaware, the "Conversion Constituents"), pursuant to Section 17-219 of the Delaware Revised Uniform Limited Partnership Act and Section 18-214 of the Delaware Limited Liability Company Act (the "Conversion"). The Conversion was duly authorized and approved by each Conversion Constituent in accordance with its governing documents and applicable law. Attached hereto as Exhibit B is a true and correct copy of the Certificate of Conversion as filed in the Office of the Secretary of State, State of Delaware, at 2:35 p.m. on March 19, 1997, evidencing the Conversion.

5. Effective March 20, 1997, Ballard Energy (Delaware) LLC (herein "Delaware LLC") was merged with and into Ballard Petroleum LLC (herein "Ballard Petroleum" and, together with Delaware LLC, the "Constituent LLC's"), pursuant to that certain Agreement and Plan of Merger dated March 20, 1997 among the Constituent LLC's (the "LLC Merger Agreement"), and Section 18-209 of the Delaware Limited Liability Company Act and Section 35-8-1201 of the Montana Code Annotated (the "LLC Merger"). The LLC Merger Agreement was duly authorized, approved, executed and delivered by each

LLC Constituent in accordance with its governing documents and applicable law. Attached hereto as Exhibit C is a true and correct copy of the Certificate of Merger as filed in the Office of the Secretary of State, State of Delaware, at 1:30 p.m. on March 20, 1997, evidencing the LP Merger.

6. Complete copies of the foregoing merger and conversion documents may be requested in writing from Ballard and Associates, Inc., 845 12th Street West, Billings, Montana 59102; Attention: W. W. Ballard.

7. Where necessary for recording purposes, Exhibit D is attached hereto to describe properties located within those states requiring such descriptions and owned by BERP immediately prior to the described conversion and mergers and which, as a result thereof, are owned by Ballard Petroleum LLC, effective as of March 20, 1997, at 1:30 p.m., the effective date of the LLC Merger.

Dated March 21, 1997.

H. J. Kagie
H. J. Kagie

WITNESSES:

Mary Morris-Stacy
Mary Morris-Stacy
Barbara Woods
Barbara Woods

BE IT REMEMBERED that the undersigned, a Notary Public duly qualified, commissioned, sworn and acting in and for the County and State aforesaid, hereby certifies that, on this 21st day of March, 1997, there appeared before me H. J. Kagie, and that:

[COLORADO, OKLAHOMA, UTAH, WYOMING]

The foregoing instrument was acknowledged before me on this date by H. J. Kagie and at the same time the Affiant was duly sworn to the foregoing affidavit.

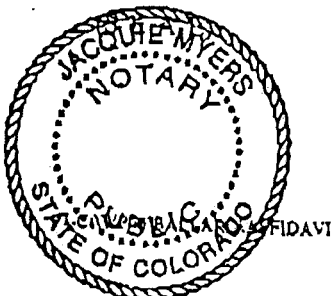
[MONTANA, NORTH DAKOTA]

On this day before me, a Notary Public of said State, duly commissioned and sworn, personally appeared such person, known to me, and, being duly sworn to the foregoing instrument, acknowledged to me that he executed the within instrument.

Given under my hand and official seal this 21st day of March, 1997.

My Commission Expires: March 22, 1999

Jacquie Myers
Notary Public



BALLARD PETROLEUM LLC

W. W. Ballard
President, Director

Billings, Montana



621 17th Street,
Suite 1800
Denver, Colorado 80293

(303) 675-0300 Office
(303) 675-0400 Facsimile



H. J. Kagie
Sr. Vice President, Director

Denver, Colorado

FAX TRANSMITTAL

The information contained in this facsimile message is legally privileged and confidential information intended solely for the use of the persons or entities named below. If you are not such persons or entities, you are hereby notified that any distribution, dissemination or reproduction of this facsimile message is strictly prohibited. If you have received this message in error, please immediately call us collect at (303) 595-8515.

TO: *Lisha Cordoba*
FAX: *801-359-3940*

FROM: *Bill Donovan*
FAX: 303-675-0400

NUMBER OF PAGES INCLUDING THIS SHEET: *3*

COMMENTS:

OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing:	
1-EC	6-EC
2-GLH	7-KAS
3-DTS	8-SI
4-VLD	9-FILE
5-JRB	

☒ Change of Operator (~~well sold~~)☐ Designation of Agent☐ Designation of Operator☒ Operator Name Change ~~Only~~The operator of the well(s) listed below has changed, effective: 3-20-97

TO: (new operator) BALLARD PETROLEUM LLC
 (address) 621 17TH ST STE 1800
DENVER CO 80293

FROM: (old operator) BALLARD & ASSOCIATES INC
 (address) 518 17TH ST STE 400
DENVER CO 80202

Phone: (303)675-0300
 Account no. N2310 (7-18-97)

Phone: (303)675-0300
 Account no. N0895

WELL(S) attach additional page if needed:

*GIW

(CABALLO, BADLANDS & DEADMAN (UPPER ISMAY) UNITS)

Name:	API:	Entity:	10696	20	37S	24E	U57469
*DEADMAN CYN FED 1-20	43-037-31293	10745	S	36	T	8S	R 22E Lease: U56960
Name: NORTH CHAPITA FED 1-36	API: 43-047-31795	Entity: 10960	S	31	T	8S	R 23E Lease: U61401
Name: BADLANDS FED 1-31	API: 43-047-31857	Entity: 10994	S	15	T	36S	R 23E Lease: U62953
Name: CABALLO UNIT 1-15	API: 43-037-31403	Entity: 11010	S	20	T	37S	R 24E Lease: U57469
Name: DEADMAN CYN FED 2-20	API: 43-037-31303	Entity: 11010	S	20	T	37S	R 24E Lease: U57469
Name: DEADMAN CANYON 3-20	API: 43-037-31304	Entity: 11010	S	28	T	37S	R 24E Lease: U49678
Name: DEADMAN CYN FED 1-28	API: 43-037-31306	Entity: 11627	S	32	T	08S	R 23E Lease: U56965
Name: BADLANDS FEDERAL 1-32	API: 43-047-31869						

OPERATOR CHANGE DOCUMENTATION

1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). (Rec'd 7-17-97)
2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). (Rec'd 7-17-97)
3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no) ____ If yes, show company file number: #LC018225 (ex. 3-17-97)
4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. (7-18-97) *UIC Program Updated.
6. Cardex file has been updated for each well listed above. (7-18-97)
7. Well file labels have been updated for each well listed above. (7-18-97)
8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. (7-18-97)
9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- lec 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) ____ If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

BOND VERIFICATION - (FEE WELLS ONLY)

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- lec 2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) ____, as of today's date _____. If yes, division response was made to this request by letter dated _____.

LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

- N/A 1. Copies of documents have been sent on _____ to _____ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated _____ 19 ____, of their responsibility to notify all interest owners of this change.

FILMING

- VB 1. All attachments to this form have been microfilmed. Today's date: 7-30-97.

FILING

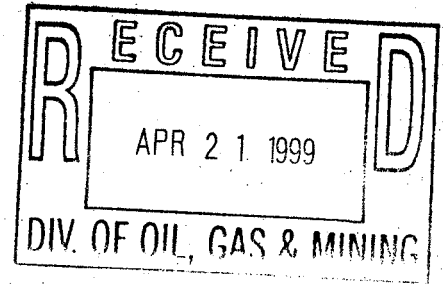
1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

COMMENTS

970718 BLM Aprv. eff. 3-20-97. (No official "Unit Operator Changes" copy of BLM Aprv. merger letter will be filed in unit files)

BALLARD

PETROLEUM LLC



April 19, 1999

Eric Jones
Bureau of Land Management
82 East Dogwood
Moab, Utah 84532

RE: Deadman Canyon #3-20
SE NW Sec. 20, T37S-R24E
San Juan County, Utah

Dear Mr. Jones:

The enclosed Form 3160-5, Sundry Notices and Reports on Wells, outlines our proposed plugging of the subject well. Also enclosed is a wellbore diagram showing the current well configuration based upon information available in our files.

Upon receipt of an approved Sundry Notice, we will endeavor to implement the plugging procedure. If any additional information is required, please contact this office.

Sincerely,

A handwritten signature in dark ink, appearing to read "Dave McCoskery".

Dave McCoskery
Operations Manager

DMM/mem

Enclosures (2)

Cc: State of Utah, Division of Oil, Gas and Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reenter a different reservoir.
Use "APPLICATION FOR PERMIT -" for such proposals

5. Lease Designation and Serial No.

UTU 57469

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

UTU58818

8. Well Name and No.

DEADMAN CANYON 3-20

9. API Well No.

43-037-31304

10. Field and Pool, or Exploratory Area

WILDCAT

11. County or Parish, State

SAN JUAN
UTAH

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Gas

☒ Well ☐ Well ☐ Other

2. Name of Operator

BALLARD PETROLEUM LLC

3. Address and Telephone No.

845 12TH STREET WEST, BILLINGS, MT 59102 406-259-8790

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SENW, 2380' FNL, 2180' FWL, Sec. 20, T37S, R24E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

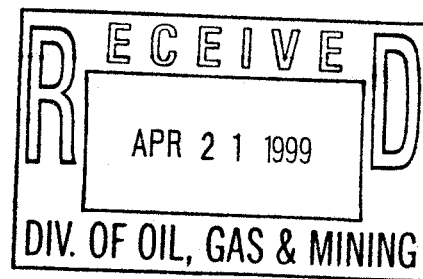
- ☒ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Operator proposes to permanently plug this TA'd well as follows:

1. MIRU Service Equipment
2. Pick up workstring and tag shoe plug @ 1932'.
2. Lay workstring down and set 10 sk surface plug.
4. Install dryhold marker.
5. Restore location to original contour.
6. Reseed per BLM requirements



14. I hereby certify that the foregoing is true and correct

Signed

Title Operations Manager

Date 04/19/99

(This space for Federal or State office use)

Approved by

Title

Date

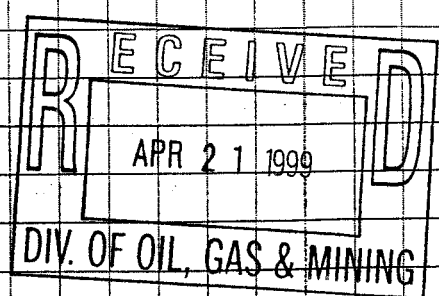
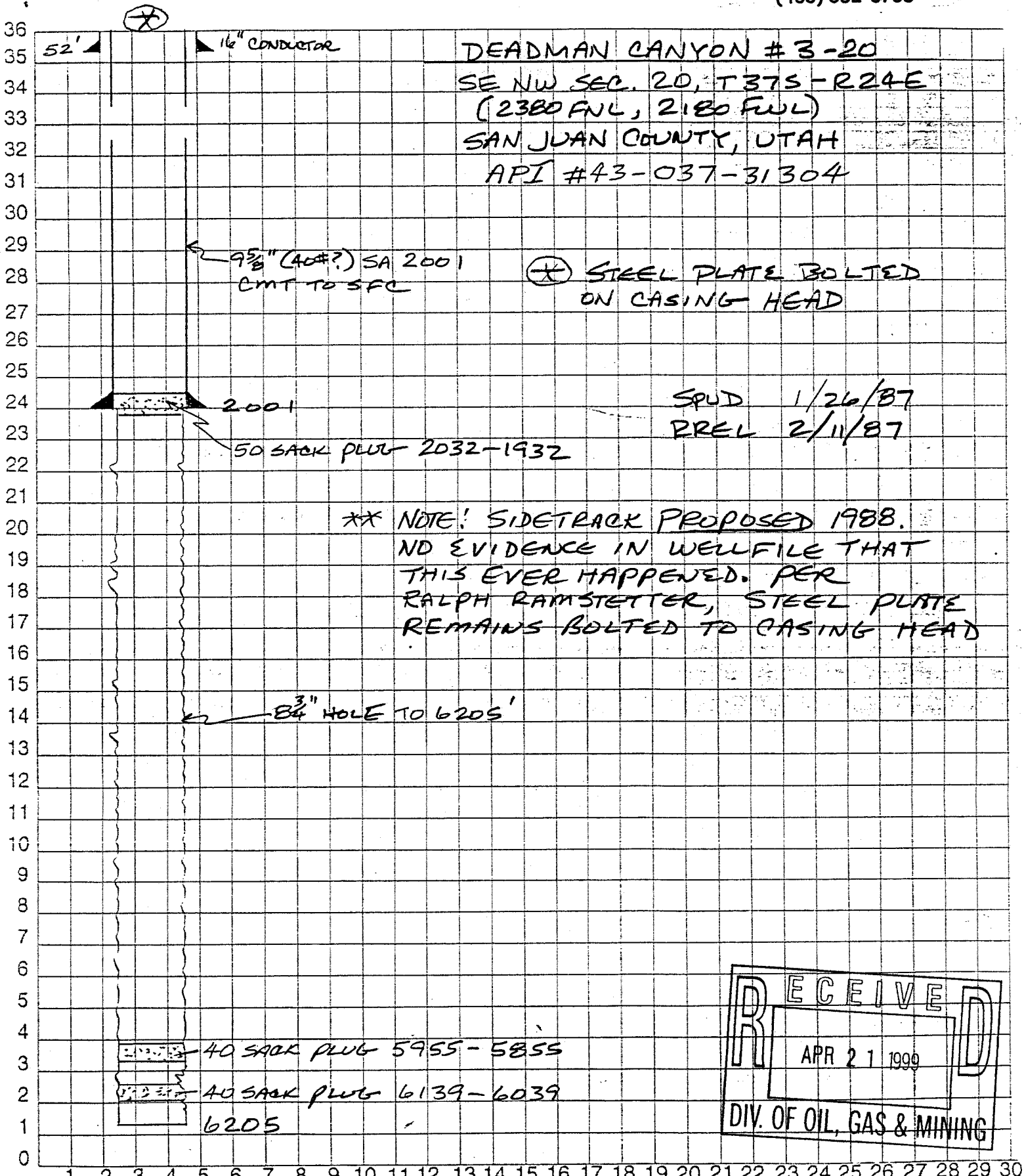
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions on Reverse Side

WOODEN THINGS

Mike McNamara, S.P.
5509 Gene Sarazen Dr.
Billings, MT 59106
(406) 652-8735





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:

3106

UTU-20544 et al

(UT-924)

FEB 01 2002

NOTICE

AEC Oil & Gas (USA) Inc.	:	Oil and Gas
950 17 th Street	:	
Suite 2600	:	
Denver, Colorado 80202	:	

Merger Recognized

Acceptable evidence has been received in this office concerning the Merger of Ballard Petroleum LLC into AEC Oil & Gas (USA) Inc. with AEC Oil & Gas (USA) Inc. being the surviving entity.

For our purposes, the name change is recognized effective December 28, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the merger. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

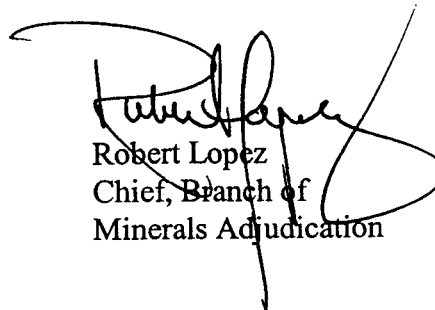
A cross reference was accomplished with our records and found that the lease UTU-58726 was not identified on your listing. We will appropriately document those files with a copy of this Notice.

RECEIVED

FEB 04 2002

DIVISION OF
OIL, GAS AND MINING

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Ballard Petroleum LLC to AEC Oil & Gas (USA) Inc.. You may accomplish this either by consent of surety rider on the original bond or by submitting a bond under the new name. The statewide bond is held in Utah.



Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTU-20544	UTU-73495
UTU-40754	UTU-73498
UTU-49678	UTU-73717
UTU-54017	UTU-73942
UTU-56960	UTU-74437
UTU-56965	UTU-74439
UTU-57469	UTU-74988
UTU-58726	UTU-76042
UTU-61400	UTU-76043
UTU-61401	UTU-76475
UTU-62252	UTU-76584
UTU-62953	UTU-76705
UTU-63182	UTU-76730
UTU-64422	UTU-76816
UTU-65471	UTU-76817
UTU-65472	UTU-76850
UTU-72045	UTU-77075
UTU-72047	UTU-77267
UTU-72644	UTU-77268
UTU-72645	UTU-77269
UTU-73038	UTU-77270
UTU-73193	UTU-77271
UTU-73417	UTU-77272
UTU-73418	UTU-77273
UTU-73419	UTU-77274
UTU-73426	UTU-77275
UTU-73426	UTU-77276
UTU-73427	UTU-77277
UTU-73428	UTU-77278
UTU-73429	UTU-77300
UTU-73430	UTU-77335
UTU-73431	UTU-77540
UTU-73432	UTU-77862
UTU-73484	UTU-78025
UTU-73446	UTU-78176
UTU-73447	UTU-78223
UTU-73448	UTU-78736
UTU-73454	UTU-78987
UTU-73485	UTU-78988
UTU-73486	UTU-79020
UTU-73487	UTU-79186
UTU-73489	
UTU-73490	

**CERTIFICATE OF MERGER OF
MAPLELEAF TRANSACTIONS, INC. AND BALLARD PETROLEUM LLC
INTO AEC OIL & GAS (USA) INC.**

The undersigned corporation, formed and existing under and by virtue of the Delaware General Corporation Law, does hereby certify:

FIRST: The name and jurisdiction of incorporation of each of the entities which is to merge are as follows:

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
AEC Oil & Gas (USA) Inc.	Delaware
Mapleleaf Transactions, Inc.	Delaware
Ballard Petroleum LLC	Delaware

SECOND: An Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by AEC Oil & Gas (USA) Inc. and Mapleleaf Transactions, Inc. in accordance with Section 264 of the Delaware General Corporation Law and by Ballard Petroleum LLC in accordance with Section 209 of the Delaware Limited Liability Company Act

THIRD: The name of the surviving corporation is AEC Oil & Gas (USA) Inc., a Delaware corporation.

FOURTH: The Certificate of Incorporation of the surviving corporation shall be the Certificate of Incorporation of AEC Oil & Gas (USA) Inc. as in effect immediately preceding the merger.

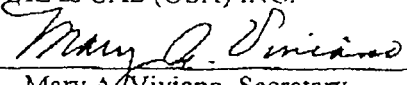
FIFTH: The merger of Mapleleaf Transactions, Inc. and Ballard Petroleum LLC into AEC Oil & Gas (USA) Inc. shall be effective on (i) 11:59 pm EST, December 31, 2001; and (ii) the day and hour of the filing of this Certificate of Merger in the office of the Secretary of State of Delaware.

SIXTH: The executed Agreement and Plan of Merger is on file at the principal place of business of the surviving corporation, which is AEC Oil & Gas (USA) Inc., 950 17th Street, Suite 2600, Denver, Colorado 80202.

SEVENTH: A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation, on request and without cost, to any stockholder of Mapleleaf Transactions, Inc. and AEC Oil & Gas (USA) Inc. and to any member of Ballard Petroleum LLC.

AEC OIL & GAS (USA) INC.

By:


Mary A. Viviano, Secretary



State of Delaware

SECRETARY OF STATE
DIVISION OF CORPORATIONS
P.O. BOX 898
DOVER, DELAWARE 19903

010674344

9343315
WELBORN SULLIVAN MECK & TOOLE, P.C.
821 17TH STREET
STE 500
DENVER
ATTN: AMY MANG X#

CO 80202

12-28-2001

DESCRIPTION	AMOUNT
BALLARD PETROLEUM LLC	
3056340 0250N Merger; Non-Survivor	
Merger	50.00
Franchise Tax Balance	100.00
FILING TOTAL	150.00
MAPLELEAF TRANSACTIONS, INC.	
3340722 0250N Merger; Non-Survivor	
Franchise Tax Balance	30.00
FILING TOTAL	30.00
AEC OIL & GAS (USA) INC.	
2137895 0250S Merger; Survivor	
Merger	75.00
Receiving/Indexing	50.00
Data Entry Fee	20.00
Surcharge Assessment-New Castle	6.00
Page Assessment-New Castle Count	18.00
Expedite Fee, Same Day	200.00
FILING TOTAL	369.00
TOTAL CHARGES	549.00
TOTAL PAYMENTS	549.00
SERVICE REQUEST BALANCE	.00

BOND RIDER NO. 2

Attaching to and forming part of Oil and Gas or Geothermal Lease Bond, Bond No. RLB0002902, effective February 20, 2001, on behalf of Ballard Petroleum, LLC as Principal, in favor of the United States of America as Obligee, in the amount of Fifty Thousand and No/100 Dollars (\$50,000.00).

It is understood and agreed that effective January 15, 2002, the name of the Principal has been changed under this bond to read:

AEC Oil & Gas (USA) Inc.

All other conditions and terms to remain as originally written.

Signed, Sealed and dated this 15th day of January, 2002

AEC Oil & Gas (USA) Inc.

Principal

Mary A. Viviano
Mary A. Viviano, Secretary

Mac By Jonathan L. Grannis
Jonathan L. Grannis, Vice President,
Rockies Exploration

RLI Insurance Company

Surety

By Greg E. Chilson
Greg E. Chilson, Attorney-in-Fact
8 Greenway Plaza, Suite 400
Houston, Texas 77046



9025 North Lindbergh Dr. • Peoria, IL 61615
(309) 692-1000 or (800) 645-2402

RLB0002902

POWER OF ATTORNEY

RLI Insurance Company

Know All Men by These Presents:

That the RLI INSURANCE COMPANY, a corporation organized and existing under the laws of the State of Illinois, and authorized and licensed to do business in all states and the District of Columbia does hereby make, constitute and appoint: GREG E. CHILSON

in the City of HOUSTON, State of TEXAS, as Attorney-in-Fact, with full power and authority hereby conferred upon him to sign, execute, acknowledge and deliver for and on its behalf as Surety and as its act and deed, all of the following classes of documents to-wit:

\$50,000.00

Indemnity, Surety and Undertakings that may be desired by contract, or may be given in any action or proceeding in any court of law or equity; policies indemnifying employers against loss or damage caused by the misconduct of their employees; official, bail and surety and fidelity bonds. Indemnity in all cases where indemnity may be lawfully given; and with full power and authority to execute consents and waivers to modify or change or extend any bond or document executed for this Company, and to compromise and settle any and all claims or demands made or existing against said Company.

The RLI INSURANCE COMPANY further certifies that the following is a true and exact copy of a Resolution adopted by the Board of Directors of RLI Insurance Company, and now in force to-wit:

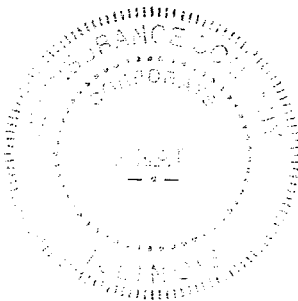
"All bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation shall be executed in the corporate name of the Company by the President, Secretary, any Assistant Secretary, Treasurer, or any Vice President, or by such other officers as the Board of Directors may authorize. The President, any Vice President, Secretary, any Assistant Secretary, or the Treasurer may appoint Attorneys-in-Fact or Agents who shall have authority to issue bonds, policies, or undertakings in the name of the Company. The corporate seal is not necessary for the validity of any bonds, policies, undertakings, Powers of Attorney, or other obligations of the corporation. The signature of any such officer and the corporate seal may be printed by facsimile."

(Blue shaded areas above indicate authenticity)

IN WITNESS WHEREOF, the RLI Insurance Company has caused these presents to be executed by its PRESIDENT with its corporate seal affixed this

ATTEST:

Camille J. Hensey
Corporate Secretary



RLI INSURANCE COMPANY

By: Jonathan E. Michael
President

State of Illinois)
County of Peoria) SS

On this 15 day of Jan., 2002 before me, a Notary Public, personally appeared Jonathan E. Michael and Camille J. Hensey, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as President and Corporate Secretary, respectively, of the said RLI INSURANCE COMPANY, and acknowledged said instrument to be the voluntary act and deed of said corporation.

Cherie L. Montgomery
Notary Public



SPA026 (10/01)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☐ OTHER CHANGE OF OPERATOR

2. NAME OF OPERATOR:
BALLARD PETROLEUM LLC

3. ADDRESS OF OPERATOR: **950 17TH ST, #2600** CITY **DENVER** STATE **CO** ZIP **80202** PHONE NUMBER: **(303) 389-5060**

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A MERGER BETWEEN BALLARD PETROLEUM LLC AND AEC OIL & GAS (USA) INC. BECAME EFFECTIVE ON 12-31-01. A COPY OF THE CERTIFICATE OF MERGER IS ATTACHED. THE NAME OF THE SURVIVING CORPORATION IS AEC OIL & GAS (USA) INC., A DELAWARE CORPORATION, WHICH WILL CONTINUE TO OPERATE UNDER BOND RLB0002902 (UT-1005).

ATTACHED IS A LIST OF THE UTAH WELLS AFFECTED BY THIS MERGER. IT IS REQUESTED THE OPERATOR NAME BE CHANGED TO AEC OIL & GAS (USA) INC.

NAME ERIC MARSH

TITLE: VICE PRESIDENT, BALLARD PETROLEUM LLC

SIGNATURE

DATE: 1/29/02

NAME (PLEASE PRINT) ERIC MARSH

TITLE TEAM LEADER, AEC OIL & GAS (USA) INC.

SIGNATURE

DATE: 1/29/02

(This space for State use only)

RECEIVED

FEB 04 2002

DIVISION OF
OIL, GAS AND MINING

API	WELL NAME	LEASE	QUARTER/ QUARTER	SEC- TOWNSHIP- RANGE	COUNTY	WELL STATUS
43-037-30909	HORSEHEAD POINT 18-44	UTU40754	SESE	18-36S-25E	SAN JUAN	SI
43-037-31293	DEADMAN CANYON 1-20	UTU57469	NWSE	20-37S-24E	SAN JUAN	INJ
43-037-31303	DEADMAN CANYON 2-20	UTU57469	SESE	20-37S-24E	SAN JUAN	PROD
43-037-31304	DEADMAN CANYON 3-20	UTU57469	SENW	20-37S-24E	SAN JUAN	P&A
43-037-31306	DEADMAN CANYON 1-28	UTU49678	NWNW	28-37S-24E	SAN JUAN	SI
43-037-31403	1-15 CABALLO UNIT	UTU62953	NWNW	15-36S-23E	SAN JUAN	PROD
43-047-31795	NORTH CHAPITA 1-36	UTU56590	SWSW	36-8S-22E	UINTAH	PROD
43-037-31857	BADLANDS 1-31	UTU61401	SENW	31-8S-23E	UINTAH	P&A
43-047-31869	BADLANDS 1-32	UTU56965	SESE	32-8S-23E	UINTAH	PROD
43-047-33451	NORTH CHAPITA 24-31	UTU61401	SESW	31-8S-23E	UINTAH	PROD
43-047-33452	NORTH CHAPITA 44-30	UTU61400	SESE	30-8S-23E	UINTAH	PROD
43-047-33454	NORTH CHAPITA 44-36	UTU56960	SESE	35-8S-22E	UINTAH	PROD
43-049-30018	OIL HOLLOW 5-1	UTU77275	NWSW	5-11S-5E	UTAH	P&A
43-047-34084	FEDERAL 22-36	UTU56960	SENW	36-8S-22E	UINTAH	PROD
43-047-34085	FEDERAL 32-30	UTU61400	SWNE	30-8S-23E	UINTAH	PROD
43-047-33453	FEDERAL 44-31	UTU61401	SESE	31-8S-23E	UINTAH	PROD
43-047-34128	FEDERAL 24-36	UTU56960	SESW	36-8S-22E	UINTAH	APD
43-047-34180	FEDERAL 33-20	UTU77300	NWSE	20-8S-24E	UINTAH	APD
43-047-34182	FEDERAL 42-25	UTU65471	SENE	25-8S-22E	UINTAH	APD
43-047-34130	FEDERAL 41-36	UTU56960	NENE	36-8S-22E	UINTAH	APD
43-047-34016	FEDERAL 22-32	UTU56965	SENW	32-8S-23E	UINTAH	APD
43-047-34132	FEDERAL 43-36	UTU56960	NESE	36-8S-22E	UINTAH	APD
43-047-34181	FEDERAL 33-25	UTU65472	NWSE	25-8S-22E	UINTAH	APD
43-047-34179	FEDERAL 24-30	UTU61400	SESW	30-8S-23E	UINTAH	APD
43-047-34131	FEDERAL 43-31	UTU61401	NESE	31-8S-23E	UINTAH	APD
43-047-34127	FEDERAL 23-36	UTU56960	NESW	36-8S-22E	UINTAH	APD
43-047-34125	FEDERAL 22-36E	UTU78025	SENW	36-8S-23E	UINTAH	APD
43-047-34126	FEDERAL 23-31	UTU61401	NESW	31-8S-23E	UINTAH	APD
43-047-34178	FEDERAL 22-26	UTU76042	SENW	26-8S-23E	UINTAH	APD
43-047-34129	FEDERAL 41-31	UTU61401	NENE	31-8S-23E	UINTAH	APD

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH

2. CDW ☒

3. FILE

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change

X Merger

The operator of the well(s) listed below has changed, effective: **12-31-2001****FROM:** (Old Operator):

BALLARD PETROLEUM LLC

Address: 950 17TH STREET, STE 2600

DENVER, CO 80202

Phone: 1-(303)-389-5015

Account No. N2310

TO: (New Operator):

AEC OIL & GAS (USA) INC

Address: 950 17TH STREET, STE 2600

DENVER, CO 80202

Phone: 1-(303)-389-5015

Account No. N2085

CA No.

Unit:

DEADMAN (UPPER ISMAY)

WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
DEADMAN CANYON FEDERAL 2-20	20-37S-24E	43-037-31303	11010	FEDERAL	OW	P
DEADMAN CANYON FEDERAL 3-20	20-37S-24E	43-037-31304	11010	FEDERAL	OW	TA
DEADMAN CANYON FEDERAL 1-28	28-37S-24E	43-037-31306	11010	FEDERAL	OW	S

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/04/2002
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 02/04/2002
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 02/04/2002
4. Is the new operator registered in the State of Utah: YES Business Number: 764413-0143
5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 12/28/2001

7. **Federal and Indian Units:**The BLM or BIA has approved the successor of unit operator for wells listed on: 12/28/20018. **Federal and Indian Communization Agreements ("CA"):**The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 02/05/2002

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 02/04/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 02/04/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: RLB 0002902

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____	5. LEASE DESIGNATION AND SERIAL NUMBER: U-57469
2. NAME OF OPERATOR: Robert L. Bayless, Producer LLC	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 621 17 th Street, Suite 1640 Denver, CO 80293-1640	7. UNIT or CA AGREEMENT NAME: Deadman (Upper Ismay)
	8. WELL NAME and NUMBER: Deadman Canyon Fed 3-20
	9. API NUMBER: 4303731304
	10. FIELD AND POOL, OR WILDCAT: Deadman Canyon
	PHONE NUMBER: 303-296-7900

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2380 FNL 2180 FWL

COUNTY: San Juan

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 20 37S 24E S

STATE: UTAH

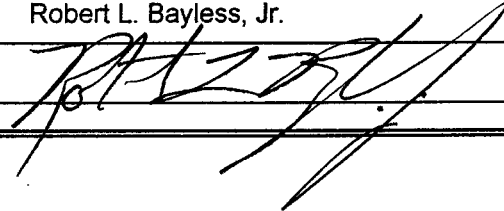
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

New Operator:
Robert L. Bayless, Producer LLC
621 17th Street, Suite 1640
Denver, CO 80293-1640

BLM Bond #: 40S23024BCA

NAME (PLEASE PRINT) Robert L. Bayless, Jr. TITLE Executive Manager
SIGNATURE  DATE 5/7/02

(This space for State use only)

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JUN 03 2002

173.70



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 18, 2002

Robert L. Bayless, Producer LLC
621 17th Street, Suite 1640
Denver, Colorado 80202

Re: Deadman (Upper Ismay) Unit
San Juan County, Utah

Gentlemen:

On June 6, 2002, we received an indenture dated May 1, 2002, whereby AEC Oil & Gas (USA) Inc. with a name change recognized to EnCana Oil & Gas (USA) Inc. resigned as Unit Operator and Robert L. Bayless, Producer LLC was designated as Successor Unit Operator for the Deadman (Upper Ismay) Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 18, 2002. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Deadman (Upper Ismay) Unit Agreement.

Your statewide (New Mexico) oil and gas bond No. 0883 will be used to cover all operations within the Deadman (Upper Ismay) Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Moab (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-924
File - Deadman (Upper Ismay) Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/18/02

Results of query for MMS Account Number UTU58818A

Production	API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Quarter/Qual
Production	4303731293	BALLARD PETROLEUM LLC	1-20 DEADMAN CANYON-	GIW	UTU57469	UTU58818A	37S	24E	20	NWSE
Production	4303731303	BALLARD PETROLEUM LLC	2-20 DEADMAN CANYON-	POW	UTU57469	UTU58818A	37S	24E	20	SESE
Production	4303731304	BALLARD PETROLEUM LLC	3-20 DEADMAN CANYON	TA	UTU57469	UTU58818A	37S	24E	20	SENW
Production	4303731306	BALLARD PETROLEUM LLC	1-28 DEADMAN CANYON-	POW	UTU49678	UTU58818A	37S	24E	28	NWNW

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

API	WELL NAME	LEASE	QUARTER/ QUARTER	SEC. TOWNSHIP- RANGE	COUNTY	WELL STATUS
43-037-30905	HORSEHEAD POINT 16-44	UTU40754	SESE	18-36S-25E	SAN JUAN	SI
43-037-31293	DEADMAN CANYON 1-20	UTU57469	NWSE	20-37S-24E	SAN JUAN	INJ
43-037-31303	DEADMAN CANYON 2-20	UTU57469	SESE	20-37S-24E	SAN JUAN	PROD
43-037-31304	DEADMAN CANYON 3-20	UTU57469	SESW	20-37S-24E	SAN JUAN	P&A
43-037-31306	DEADMAN CANYON 1-28	UTU49678	NWNW	28-37S-24E	SAN JUAN	SI
43-037-31403	1-15 CABALLO UNIT	UTU62953	NWNW	15-36S-23E	SAN JUAN	PROD
43-047-31795	NORTH CHAPITA 1-36	UTU56590	SWSW	36-8S-22E	UINTAH	PROD
43-037-31857	BADLANDS 1-31	UTU61401	SESW	31-8S-23E	UINTAH	P&A
43-047-31869	BADLANDS 1-32	UTU56965	SESE	32-8S-23E	UINTAH	PROD
43-047-33451	NORTH CHAPITA 24-31	UTU61401	SESW	31-8S-23E	UINTAH	PROD
43-047-33452	NORTH CHAPITA 44-30	UTU61400	SESE	30-8S-23E	UINTAH	PROD
43-047-33454	NORTH CHAPITA 44-36	UTU56960	SESE	35-8S-22E	UINTAH	PROD
43-049-30018	OIL HOLLOW 5-1	UTU77275	NWSW	5-11S-5E	UTAH	P&A
43-047-34084	FEDERAL 22-36	UTU56960	SESW	36-8S-22E	UINTAH	PROD
43-047-34085	FEDERAL 32-30	UTU61400	SWNE	30-8S-23E	UINTAH	PROD
43-047-33453	FEDERAL 44-31	UTU61401	SESE	31-8S-23E	UINTAH	PROD
43-047-34128	FEDERAL 24-36	UTU56960	SESW	36-8S-22E	UINTAH	APD
43-047-34180	FEDERAL 33-20	UTU77300	NWSE	20-8S-24E	UINTAH	APD
43-047-34182	FEDERAL 42-25	UTU65471	SENE	25-8S-22E	UINTAH	APD
43-047-34130	FEDERAL 41-36	UTU56960	NENE	36-8S-22E	UINTAH	APD
43-047-34016	FEDERAL 22-32	UTU56965	SESW	32-8S-23E	UINTAH	APD
43-047-34132	FEDERAL 43-36	UTU56960	NESE	36-8S-22E	UINTAH	APD
43-047-34181	FEDERAL 33-25	UTU65472	NWSE	25-8S-22E	UINTAH	APD
43-047-34179	FEDERAL 24-30	UTU61400	SESW	30-8S-23E	UINTAH	APD
43-047-34131	FEDERAL 43-31	UTU61401	NESE	31-8S-23E	UINTAH	APD
43-047-34127	FEDERAL 23-36	UTU56960	NESW	36-8S-22E	UINTAH	APD
43-047-34125	FEDERAL 22-36E	UTU78025	SESW	36-8S-23E	UINTAH	APD
43-047-34126	FEDERAL 23-31	UTU61401	NESW	31-8S-23E	UINTAH	APD
43-047-34178	FEDERAL 22-26	UTU76042	SESW	26-8S-23E	UINTAH	APD
43-047-34129	FEDERAL 41-31	UTU61401	NENE	31-8S-23E	UINTAH	APD

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JUN 19 2002

**DIVISION OF
OIL, GAS AND MINING**

WELBORN SULLIVAN MECK & TOOLEY, P.C.
ATTORNEYS AT LAW

821 17th Street, Suite 500
Denver, Colorado 80202
Telephone: 303-830-2500
Facsimile: 303-832-2366
E-mail: wsmt@wsmtlaw.com

July 2, 2002

Mr. Jim Thompson
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Post Office Box 145801
Salt Lake City, UT 84114-5801

Stephen J. Sullivan
John F. Meck
Keith D. Tooley
Kendor P. Jones
Brian S. Tooley
Thomas C. McKee
Stephen A. Bain
Molly Sommerville
William R. Rapson
Kathryn Haight
Kristen L. Mix
Amy E. Seneshen
Danielle V. Wiletsky
Rebecca N. Welborn

Special Counsel
John F. Welborn
Norman S. Early, Jr.

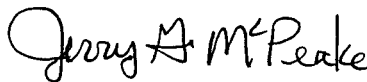
Re: AEC Oil & Gas (USA) Inc. name change to EnCana Oil & Gas (USA) Inc. Of Counsel
Robert F. Welborn

Dear Mr. Thompson:

Enclosed for filing with the Utah Division of Oil, Gas and Mining is a Certificate of Name Change from the Secretary of State of the State of Delaware certifying that AEC Oil & Gas (USA) Inc. changed its name to EnCana Oil & Gas (USA) Inc. on April 5, 2002, along with a list of the affected leases. Also enclosed is an additional copy of same which I would appreciate you stamping "filed" and returning to me in the enclosed self-addressed, stamped envelope provided for your convenience.

Thank you for your assistance in this matter. Should you have any questions concerning this letter or the enclosed, please do not hesitate to contact me at 303-376-4468.

Very truly yours,



Jerry G. McPeake
Paralegal

/jm
Enclosures

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JUL 05 2002

**DIVISION OF
OIL, GAS AND MINING**

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "AEC OIL & GAS (USA) INC.", CHANGING ITS NAME FROM "AEC OIL & GAS (USA) INC." TO "ENCANA OIL & GAS (USA) INC.", FILED IN THIS OFFICE ON THE FIFTH DAY OF APRIL, A.D. 2002, AT 4:12 O'CLOCK P.M.



2137895 8100

020418994

Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1858569

DATE: 06-27-02

**CERTIFICATE OF AMENDMENT
OF CERTIFICATE OF INCORPORATION
OF AEC OIL & GAS (USA) INC.**

AEC Oil & Gas (USA) Inc., a Delaware corporation (the "Corporation") hereby certifies as follows:

1. The Board of Directors and Sole Stockholder of the Corporation have adopted the following resolution in accordance with Section 242 of the General Corporation Law of the State of Delaware, as amended:

RESOLVED, that the Corporation's Certificate of Incorporation is hereby amended by deleting the FIRST paragraph of said certificate in its entirety and by substituting the following therefor:

"FIRST. The name of the Corporation is EnCana Oil & Gas (USA) Inc."

2. The capital of the Corporation shall not be reduced under or by reason of said amendment.

AEC OIL & GAS (USA) INC.

By: Mary A. Viviano
Mary A. Viviano, Secretary
Date: 4-5-02

Affected Leases (state)

AEC Oil & Gas (USA) Inc. changed its name to EnCana Oil & Gas (USA) Inc. effective, April 5, 2002. This name change affects all state land leases held in Utah by AEC Oil & Gas (USA) Inc. including the following:

GRAND COUNTY:

<u>AEC Lease No.</u>	<u>Lessor</u>	<u>Lessee</u>	<u>Description</u>
10601.000	ST UT ML 46758	Sonja V McCormick	Township 21 South, Range 18 East, SLM Section 32: All
10616.000	ST UT ML 46662	Sonja V McCormick	Township 21 South, Range 17 East, SLM Section 2: Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, S/2N/2, S/2 (All) Section 16: All Section 17: S/2SE/4 Section 36: All
10617.000	ST UT ML 46663	Sonja V McCormick	Township 21 South, Range 17 East, SLM Section 4: SE/4SW/4 Section 5: SW/4, W/2SE/4 Section 6: Lots 8, 9, 15, 16, SE/4 Section 7: Lots 1, 2, 3, E/NW/4, NE/4, NE/ Section 8: NW/4, NE/4SW/4
10622.000	ST UT ML 46664	Sonja V McCormick	Township 22 South, Range 18 East, SLM Section 9: Lot 1 Section 16: All
10853.000	ST UT ML 47575	Ballard Petroleum LLC	Township 21 South, Range 18 East, SLB&M Section 16: All
11768.000	ST UT 48143	Vern Jones	Township 22 South, Range 17 East, SLB&M Section 2: Lots 1, 2, 3, 4, S/2N/2, S/2
11769.000	ST UT 48144	Vern Jones	Township 22 South, Range 17 East, SLB&M Section 16: All
10686.000	ST UT ML 45868	Sonja V. McCormick	Township 23 South, Range 16 East, SLM Section 3: All - Bed of Green River Section 11: All - Bed of Green River Section 12: All - Bed of Green River

SAN JUAN COUNTY:

<u>AEC Lease No.</u>	<u>Lessor</u>	<u>Lessee</u>	<u>Description</u>
11318.000	ST UT ML 47813	Ballard Petroleum LLC	Township 36 South, Range 25 East, SLB&M Section 16: All
11319.000	ST UT ML 47815	Ballard Petroleum LLC	Township 37 South, Range 25 East, SLB&M Section 16: All
11320.000	ST UT ML 47805	Ballard Petroleum LLC	Township 22 South, Range 17 East, SLB&M Section 36: All

7. Federal and Indian Units:

The BLM or BIA has approved the successor of unit operator for wells listed on: 06/18/2002

8. Federal and Indian Communization Agreements ("CA"):

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

9. Underground Injection Control ("UIC")

The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 06/21/2002
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 06/21/2002
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: N/A

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 40S23024BC

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: N/A

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>TA</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 57469
2. NAME OF OPERATOR: ROBERT L. BAYLESS, PRODUCER LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO BOX 168 CITY FARMINGTON STATE NM ZIP 87499		7. UNIT or CA AGREEMENT NAME: UTU58818
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2380' FNL, 2180' FWL		8. WELL NAME and NUMBER: DEADMAN CANYON 3-20
QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE NW 20 37S 24E		9. API NUMBER: 43-037-31304
STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input checked="" type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

IN RESPONSE TO YOUR NOTICE OF 9/16/2008, BAYLESS REQUESTS CONTINUED TEMPORARY ABANDONMENT STATUS FOR THIS WELL. IT WAS NOT PLUGGED BY BALLARD PETROLEUM.

COPY SENT TO OPERATOR

Date: 12/30/2008

Initials: KS

NAME (PLEASE PRINT) <u>TOM MCCARTHY</u>	TITLE <u>ENGINEER</u>
SIGNATURE <u>[Signature]</u>	DATE <u>10/6/2008</u>

(This space for State use only)

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

RECEIVED

OCT 14 2008

(5/2000)

Date: 12/23/08 (See Instructions on Reverse Side)

By: [Signature]

insufficient information to approve request
see 2649-3-22
DIV. OF OIL, GAS & MINING